

Print Instructions for Print Vendors (Paper Manuals)

PARTS MANUAL

TOTAL PAGE COUNT: Less than 80

Paper Size:

- 11 x 17
- Body - 50 lbs brilliant white offset or equivalent.
- Cover - on 80 lbs coated, pre-printed "grid" cover stock

(NOTE: If total order quantity is less than 100 pieces, use uncoated cover stock)

Press:

- Body - 1-color, 2-sided
- Cover imprint - 1-color, 2-sided

Bindery:

- Fold & Staple (2X), Face Trim, 3-Hole Drill

TOTAL PAGE COUNT: 80 or greater

Paper Size:

- 8-1/2 x 11
- Body - 50 lbs brilliant white offset or equivalent.
- Cover - on 80 lbs coated, pre-printed "grid" cover stock

(NOTE: If total order quantity is less than 100 pieces, use uncoated cover stock)

Press:

- Body - 1-color, 2-sided
- Cover imprint - 1-color, 2-sided

Bindery:

- Perfect Bind, Face Trim (3 knife), 3-Hole Drill

GENERAL

COVERS:

- Covers are located at the beginning of this package.
- Back cover is the page IMMEDIATELY AFTER the front cover.
- If supplied, the "Hardware Identification & Torque Specifications" is located IMMEDIATELY AFTER the back cover. This page MUST be printed on the INSIDE of the BACK cover.
- Check the front cover for the individual part number (typically a 2xxxx or 182xxxx number).
- Check the front cover for the document number (TP 4xx - xxxx - xx - xx - xx)

BODY:

- ODD number pages are ALWAYS right hand pages, and EVEN number are ALWAYS left hand pages.

General:

- **This instruction page is NOT part of the manual and must NOT be printed.**
- Pages labeled with the text "THIS PAGE INTENTIONALLY BLANK" are placement pages ONLY, and should NOT be printed.

If you have any further questions regarding this manual, please contact Ken Cehonski in Ferris Industries Engineering Department at (315) 495-0100 ext. 249.

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PARTS MANUAL

 **Simplicity**
®



Derby Colt *Zero-Turn Riding Mower with 2-Wheel Independent Suspension*

Model Number:

ZT2148T

ZT2348T

ZT2352T

Description:

COLT, 2W-IS, w/ 21 HP Kohler & 48" Mower Deck

COLT, 2W-IS, w/ 23 HP Kohler & 48" Mower Deck

COLT, 2W-IS, w/ 23 HP Kohler & 52" Mower Deck

Derby mowers are built by
Ferris Industries, a
Simplicity company.

Ferris Industries
5375 North Main Street
Munnsville, NY 13409
800-933-6175

22996

Revision 06

Rev. 4/2004

TP 400-7090-06-CT-D



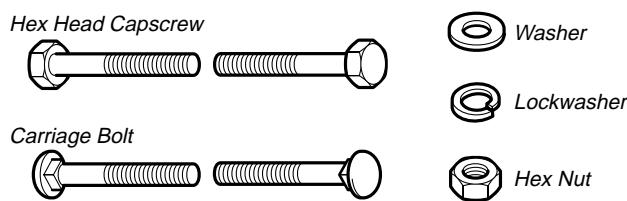
Ferris Industries
5375 North Main Street
Munnsville, NY 13409
800-933-6175

www.ferrisindustries.com

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Hardware Identification & Torque Specifications

Common Hardware Types

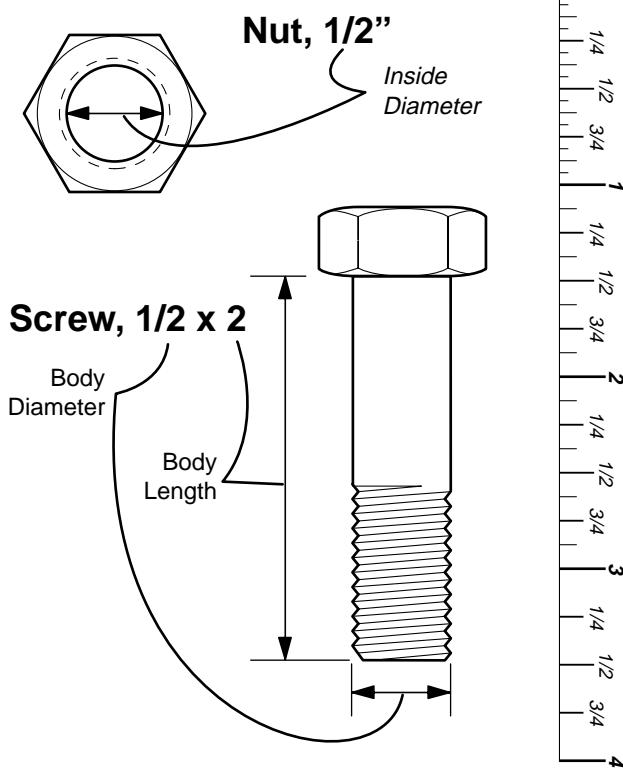


Standard Hardware Sizing

When a washer or nut is identified as **1/2"**, this is the *nominal size*, meaning the *inside diameter* is 1/2 inch; if a second number is present it represents the *threads per inch*.

When a bolt or capscrew is identified as **1/2 - 16 x 2"**, this means the *nominal size*, or *body diameter* is 1/2 inch; the second number represents the *threads per inch* (16 in this example), and the final number is the *body length* of the bolt or screw (2 inches long in this example).

The guides and ruler furnished below are designed to help you select the appropriate hardware and tools.



Hardware Grade	No Marks		SAE Grade 5		SAE Grade 8		
	SAE Grade 2	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
8-32	19		2.1	30	3.4	41	4.6
8-36	20		2.3	31	3.5	43	4.9
10-24	27		3.1	43	4.9	60	6.8
10-32	31		3.5	49	5.5	68	7.7
1/4-20	66		7.6	8	10.9	12	16.3
1/4-28	76		8.6	10	13.6	14	19.0
5/16-18	11		15.0	17	23.1	25	34.0
5/16-24	12		16.3	19	25.8	27	34.0
3/8-16	20		27.2	30	40.8	45	61.2
3/8-24	23		31.3	35	47.6	50	68.0
7/16-14	30		40.8	50	68.0	70	95.2
7/16-20	35		47.6	55	74.8	80	108.8
1/2-13	50		68.0	75	102.0	110	149.6
1/2-20	55		74.8	90	122.4	120	163.2
9/16-12	65		88.4	110	149.6	150	204.0
9/16-18	75		102.0	120	163.2	170	231.2
5/8-11	90		122.4	150	204.0	220	299.2
5/8-18	100		136	180	244.8	240	326.4
3/4-10	160		217.6	260	353.6	386	525.0
3/4-16	180		244.8	300	408.0	420	571.2
7/8-9	140		190.4	400	544.0	600	816.0
7/8-14	155		210.8	440	598.4	660	897.6
1-8	220		299.2	580	788.8	900	1,244.0
1-12	240		326.4	640	870.4	1,000	1,360.0

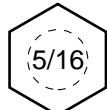
NOTES

1. These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
2. Recommended seating torque values for locknuts:
 - a. For prevailing torque locknuts: use 65% of Grade 5 torque.
 - b. For flange whizlock nuts and screws: use 135% of Grade 5 torque.
3. Unless otherwise noted on assembly drawings, all torque values must meet this specification.

Wrench & Fastener Size Guide



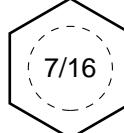
1/4" Bolt or Nut
Wrench—7/16"



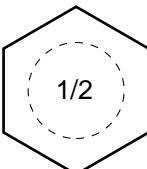
5/16" Bolt or Nut
Wrench—1/2"



3/8" Bolt or Nut
Wrench—9/16"



7/16" Bolt or Nut
Wrench (Bolt)—5/8"
Wrench (Nut)—11/16"



1/2" Bolt or Nut
Wrench—3/4"

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MOWER DECK COMPONENTS

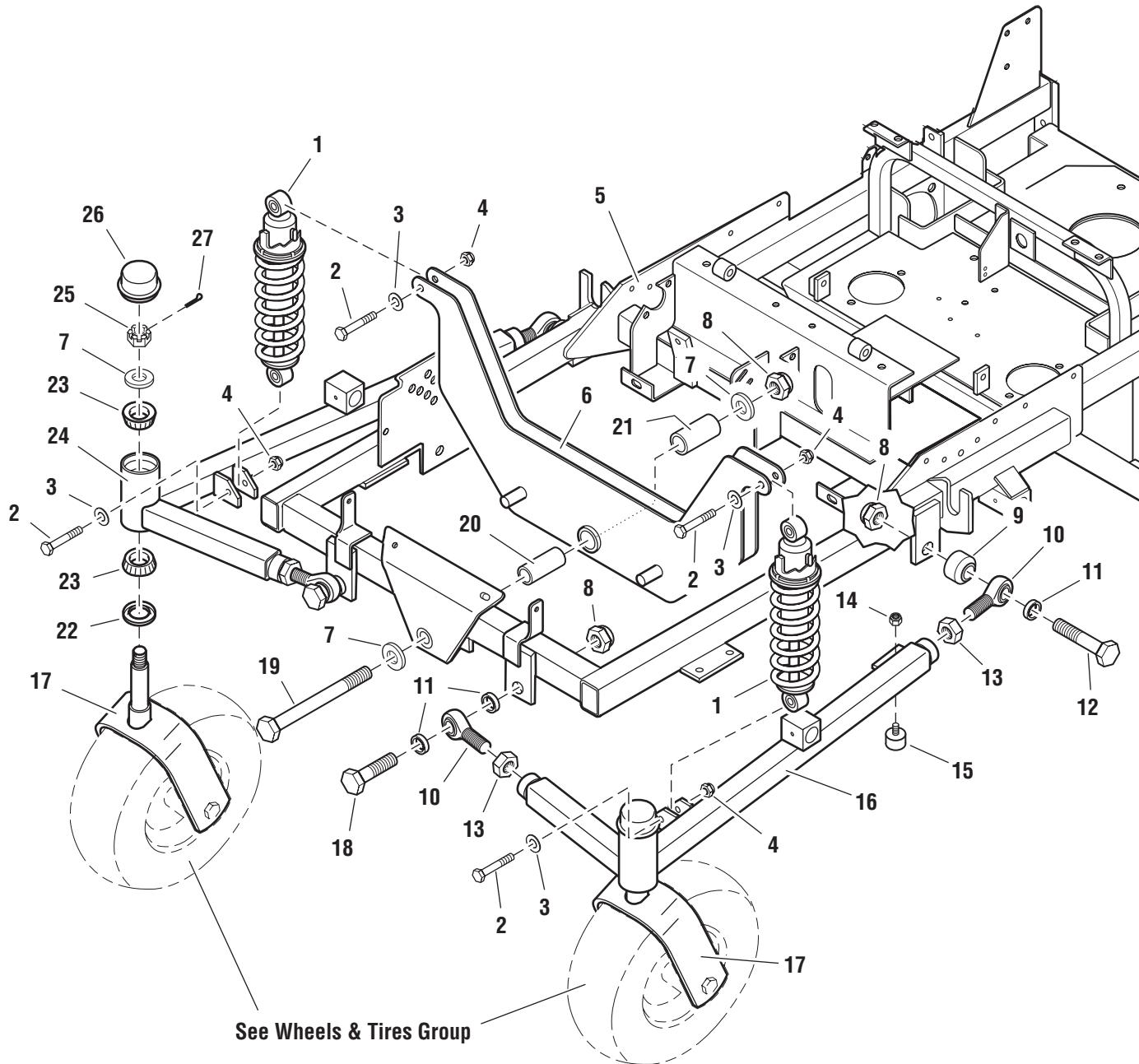
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REFERENCE INFORMATION:

Torque Specification Chart	Inside Back Cover
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Main Frame, Suspension & Caster Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Main Frame, Suspension & Caster Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	22842	2	SHOCK & SPRING ASSEMBLY
2	25013-16	4	CAPSCREW, Hex Hd, 3/8-16 x 2
3	25156	4	WASHER, 3/8
4	25096	4	NUT, Hex, Nylon Lock, 3/8-16
5	3847953	1	MAIN FRAME
6	3847457	1	UPPER SHOCK MOUNT
7	25160	3	WASHER, 3/4
8	25284	5	NUT, Hex, Nylon Lock, 3/4-16
9	46093	2	SPACER, .75 x 1.50 x 1.00
10	22039	4	BALL JOINT, 3/4-16
11	47461	6	SPACER, .76 x 1.00 x .25
12	25265-32	2	CAPSCREW, Hex Hd, 3/4-16 x 4
13	25093	4	NUT, Hex, Jam, 3/4-16
14	25095	2	NUT, Hex, Nylon Lock, 1/4-20
15	22673	2	RUBBER BUMPER
16	3847445	1	SUSPENSION ARM-LH
17	3847049	2	CASTER YOKE
18	25265-24	2	CAPSCREW, Hex Hd, 3/4-16 x 3
19	25265-48	1	CAPSCREW, Hex Hd, 3/4-16 x 6
20	47489	1	SPACER, .75 x 1.00 x 2.38
21	22852	1	PIVOT BEARING
22	21072	2	SEAL, Grease
23	20884	4	BEARING, Tapered Roller
24	3847452	1	SUSPENSION ARM-RH
25	25104	2	NUT, Hex, SLotted, 3/4-16
26	21073	2	CAP
27	25203-10	2	Pin, Cotter

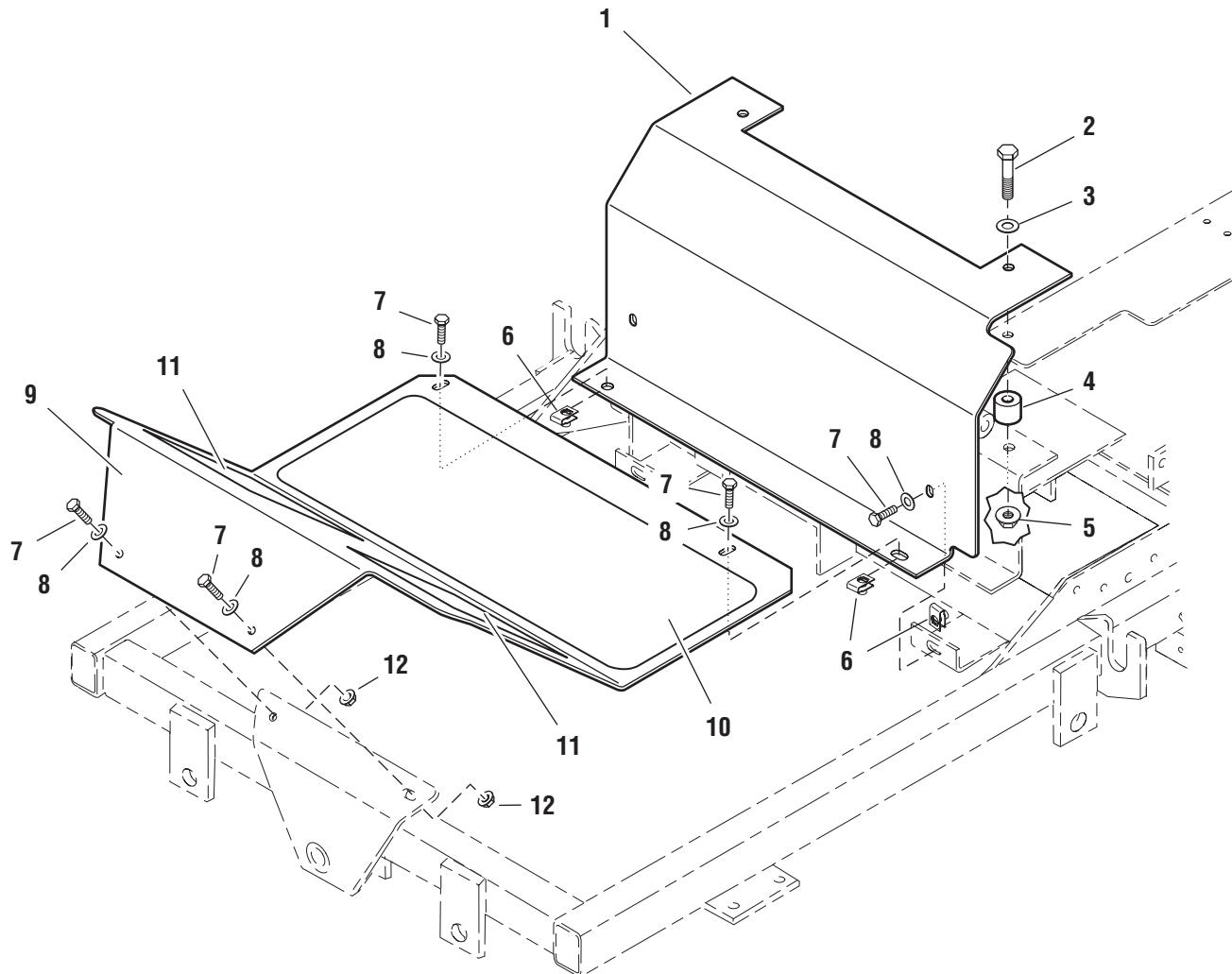
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Floor & Brake Cover Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Floor & Brake Cover Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	3847069	1	BRAKE COVER PANEL
2	25013-16	2	CAPSCREW, Hex Hd, 3/8-16 x 2
3	25156	2	WASHER, 3/8
4	47125	2	SPACER, .39 x 1.00 x .88
5	25128	2	NUT, Hex, Serrated Flange, 3/8-16
6	22308	4	BODY CLIP, 5/16-18
7	25011-8	6	CAPSCREW, Hex Hd, 5/16-18 x 1
8	25155	6	WASHER, 5/16
9	3847480	1	FLOOR PLATE
10	47483	1	SAFETY WALK
11	47139	2	SAFETY WALK
12	25127	2	NUT, Hex, Serrated Flange, 5/16-18

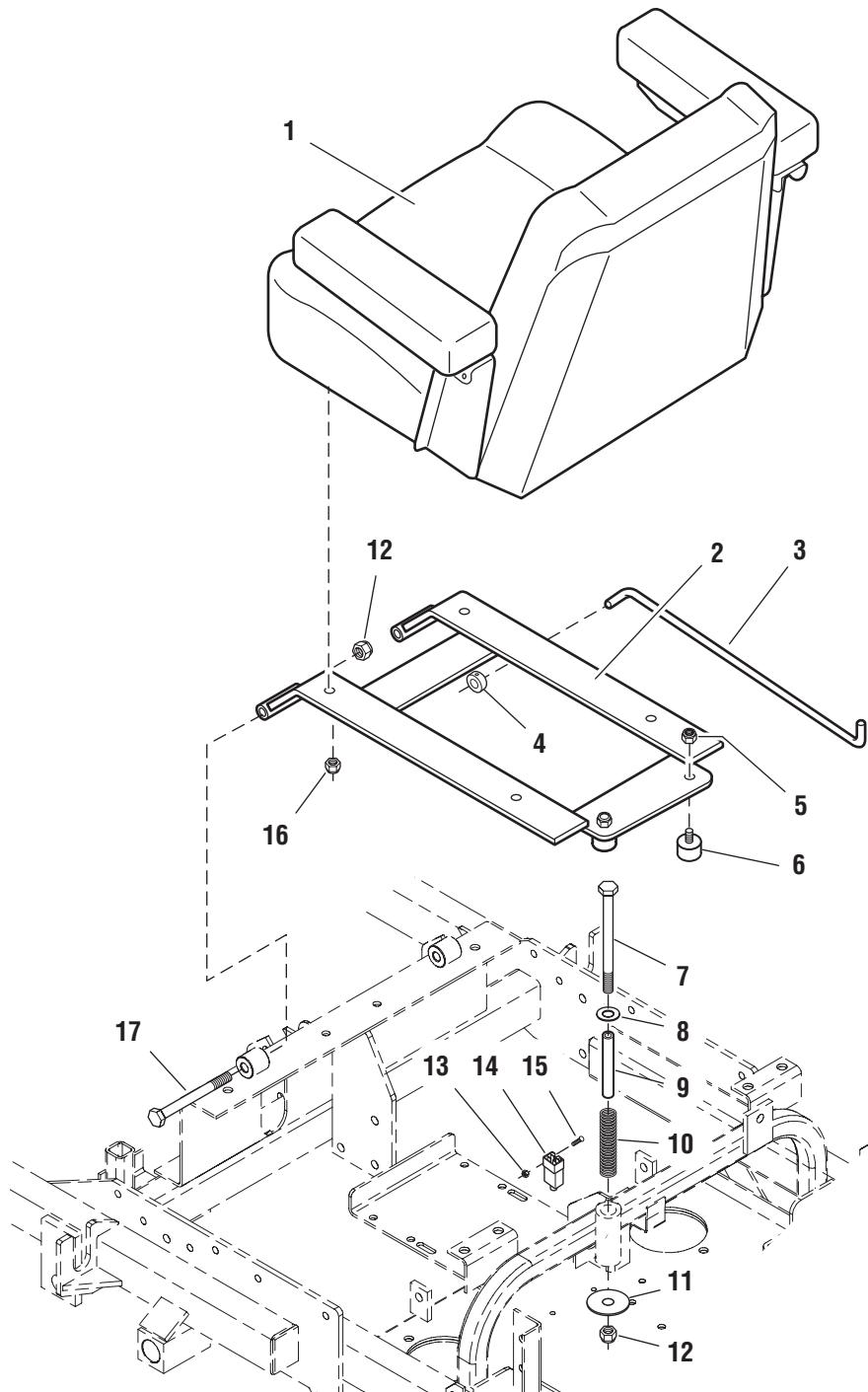
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Seat & Seat Mount Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Seat & Seat Mount Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	22973	1	SEAT, Derby (complete)
*	20930-3	1	SEAT ADJUSTER RAILS (set of 2)
2	3847744	1	SEAT MOUNT
3	46470	1	SEAT STOP ROD
4	20047	1	COLLAR, 5/16 Set
5	25095	2	NUT, Hex, Nylon Lock, 1/4-20
6	22673	2	RUBBER BUMPER
7	25013-48	1	CAPSCREW, Hex Hd, 3/8-16 x 6
8	25156	1	WASHER, 3/8
9	46586	1	SPACER, .38 x .50 x 5.06
10	22798	1	SPRING, Compression
11	25326	1	WASHER, 3/8 x 2
12	25096	3	NUT, Hex, Nylon Lock, 3/8-16
13	25029	2	NUT, Hex, #10-24
14	*	1	SWITCH (see electrical schematic)
15	25179-4	2	SCREW, #10-24 x 1/2
16	25057	4	NUT, Hex, Nylon Lock, 5/16-18
17	25013-32	2	CAPSCREW, Hex Hd, 3/8-16 x 4

Footnotes:

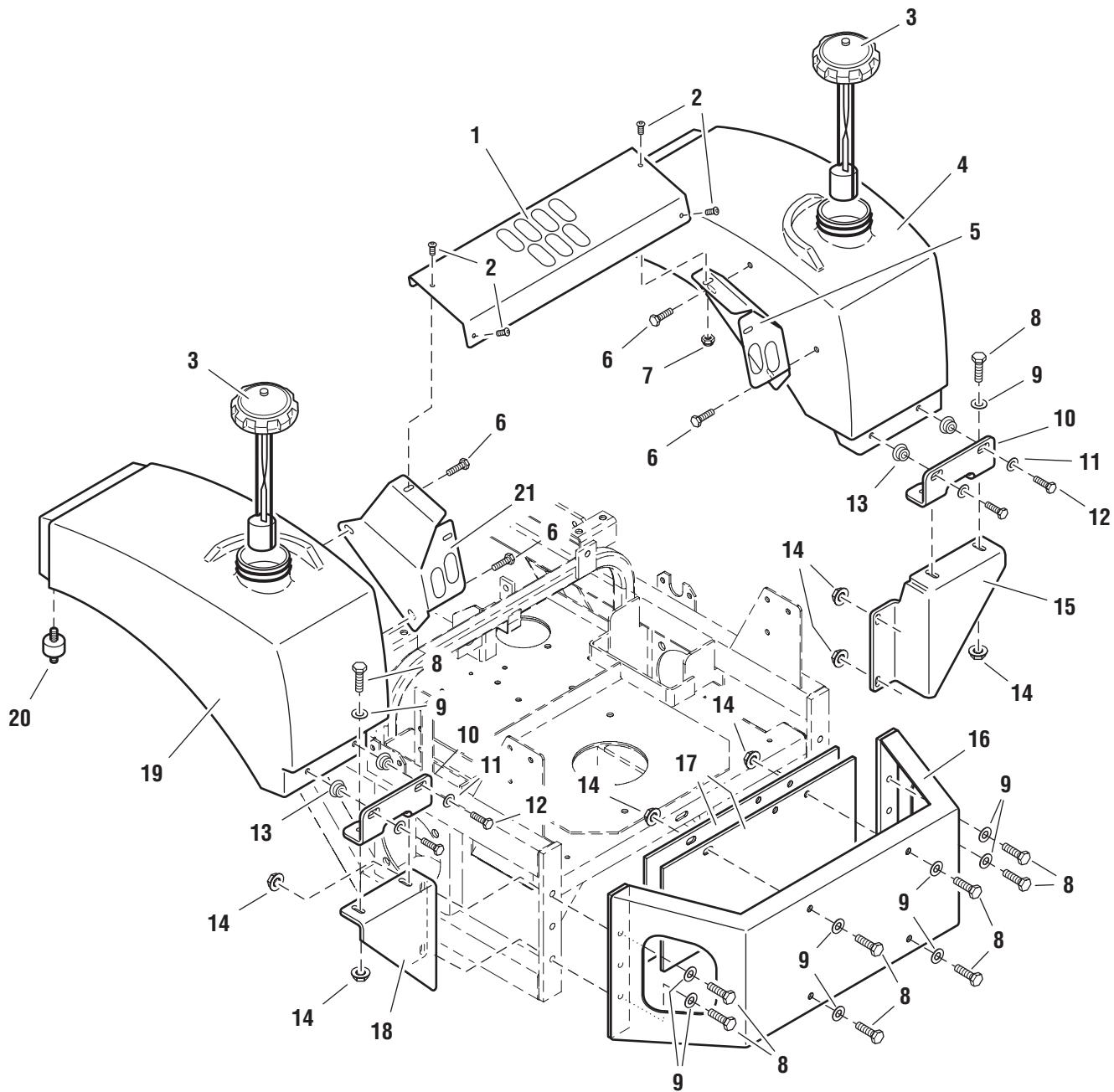
* - See Electrical Schematic for switch part number

The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Fuel Tank, Mount & Bumper Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T (S/N 123 & below)

ZT2352T (S/N 123 & below)

Fuel Tank, Mount & Bumper Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	3847347	1	FUEL TANK TIE BAR
2	25299-6	4	SCREW, Allan Hd, 1/4-20 x 3/4
3	45496	2	CAP, Fuel Tank w/ Gauge
4	45494	1	FUEL TANK-RH, Complete (see footnote)
5	3847348	1	TIE BAR MOUNT-RH
6	25011-6	4	CAPSCREW, Hex Hd, 5/16-18 x 3/4
7	25095	4	NUT, Hex, Nylon Lock, 1/4-20
8	25013-10	12	CAPSCREW, Hex Hd, 3/8-16 x 1-1/4
9	25156	12	WASHER, 3/8
10	3847938	2	REAR MOUNT BRACKET
11	25155	4	WASHER, 5/16
12	25011-10	4	CAPSCREW, Hex Hd, 5/16-18 x 1-1/4
13	22394	4	RUBBER BUSHING
14	25128	12	NUT, Hex, Serrated Flange, 3/8-16
15	3847917	1	TANK MOUNT-RH
16	3847851	1	BUMPER
17	3847485	2	COUNTERWEIGHT (52" model only)
18	3847920	1	TANK MOUNT-LH
19	45495	1	FUEL TANK-LH, Complete (see footnote)
20	22395	4	RUBBER ISOLATOR
21	3847349	1	TIE BAR MOUNT-LH

Footnotes:

For fuel tank replacement parts, see Fuel Supply Hose & Tank Replacement Parts Groups

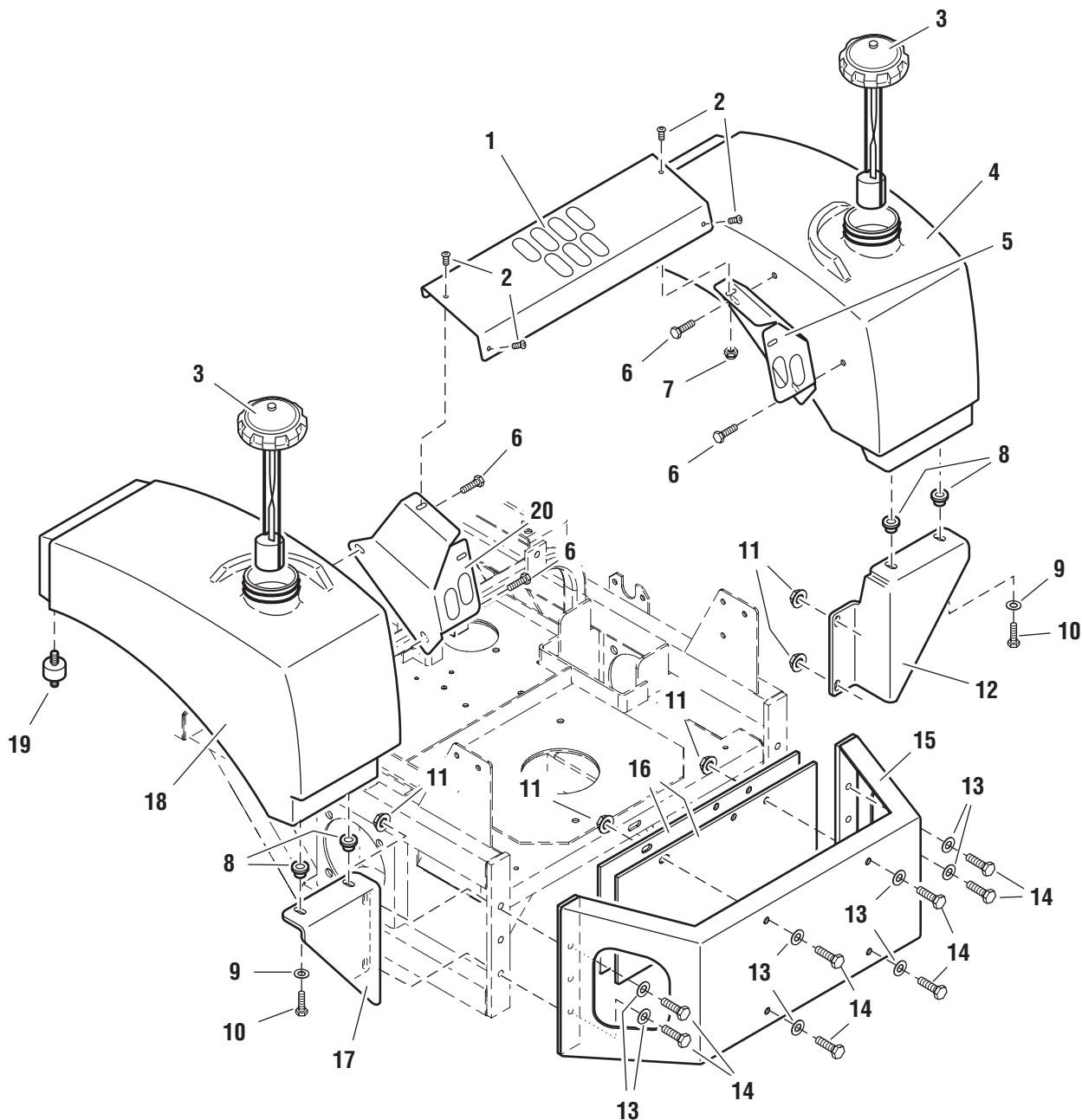
The above parts group applies to the following Model Nos.:

ZT2148T (S/N 123 & below)

ZT2352T (S/N 123 & below)

Fuel Tank, Mount & Bumper Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T (S/N 124 & above)

ZT2348T

ZT2352T (S/N 124 & above)

Fuel Tank, Mount & Bumper Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	3847347	1	FUEL TANK TIE BAR
2	25299-6	4	SCREW, Allan Hd, 1/4-20 x 3/4
3	45496	2	CAP, Fuel Tank w/ Gauge
4	47904	1	FUEL TANK-RH, complete (see footnote)
5	3847348	1	TIE BAR MOUNT-RH
6	25011-6	4	CAPSCREW, Hex Hd, 5/16-18 x 3/4
7	25095	4	NUT, Hex, Nylon Lock, 1/4-20
8	22394	4	RUBBER BUSHING
9	25155	4	WASHER, 5/16
10	25011-10	4	CAPSCREW, Hex Hd, 5/16-18 x 1-1/4
11	25128	12	NUT, Hex, Serrated Flange, 3/8-16
12	3847924	1	TANK MOUNT-RH
13	25156	12	WASHER, 3/8
14	25013-10	12	CAPSCREW, Hex Hd, 3/8-16 x 1-1/4
15	3847851	1	BUMPER
16	3847485	2	COUNTERWEIGHT (52" model only)
17	3847923	1	TANK MOUNT-LH
18	47903	1	FUEL TANK-LH, complete (see footnote)
19	22395	4	RUBBER ISOLATOR
20	3847349	1	TIE BAR MOUNT-LH

Footnotes:

For fuel tank replacement parts, see Fuel Supply Hose & Tank Replacement Parts Groups

The above parts group applies to the following Model Nos.:

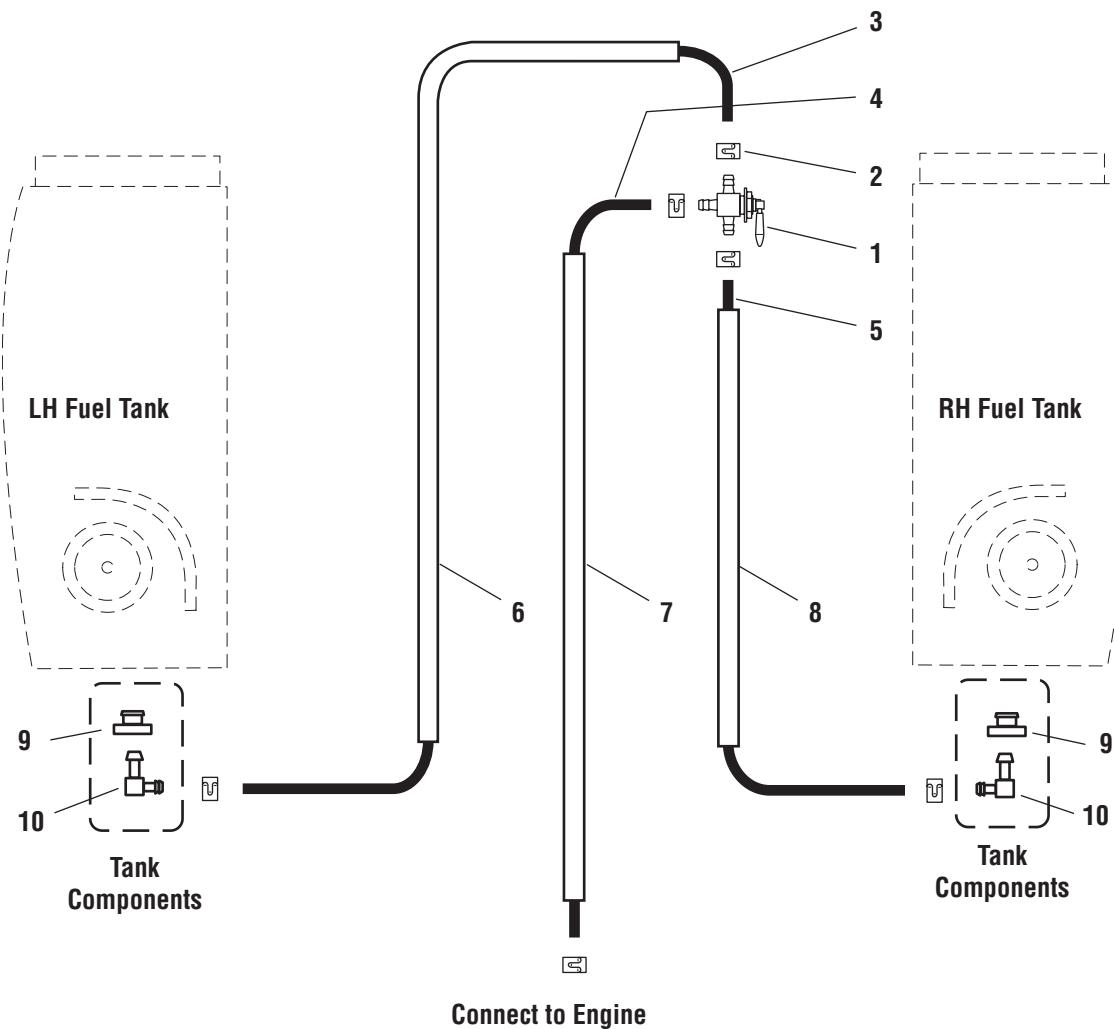
ZT2148T (S/N 124 & above)

ZT2348T

ZT2352T (S/N 124 & above)

Fuel Supply Hose & Tank Replacement Part Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T (S/N 123 & below)
ZT2352T (S/N 123 & below)

Fuel Supply Hose & Tank Replacement Part Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	22030	1	VALVE, Fuel Shut Off
2	20835	6	CLAMP, Hose
3	50831-55	1	HOSE, 55"
4	50831-50	1	HOSE, 50"
5	50831-36	1	HOSE, 36"
6	50833-51	1	WIRE LOOM, 51"
7	50833-33	1	WIRE LOOM, 33"
8	50833-24	1	WIRE LOOM, 24"
9	1726400	2	RUBBER BUSHING
10	1674231	2	ELBOW FITTING

Footnotes:

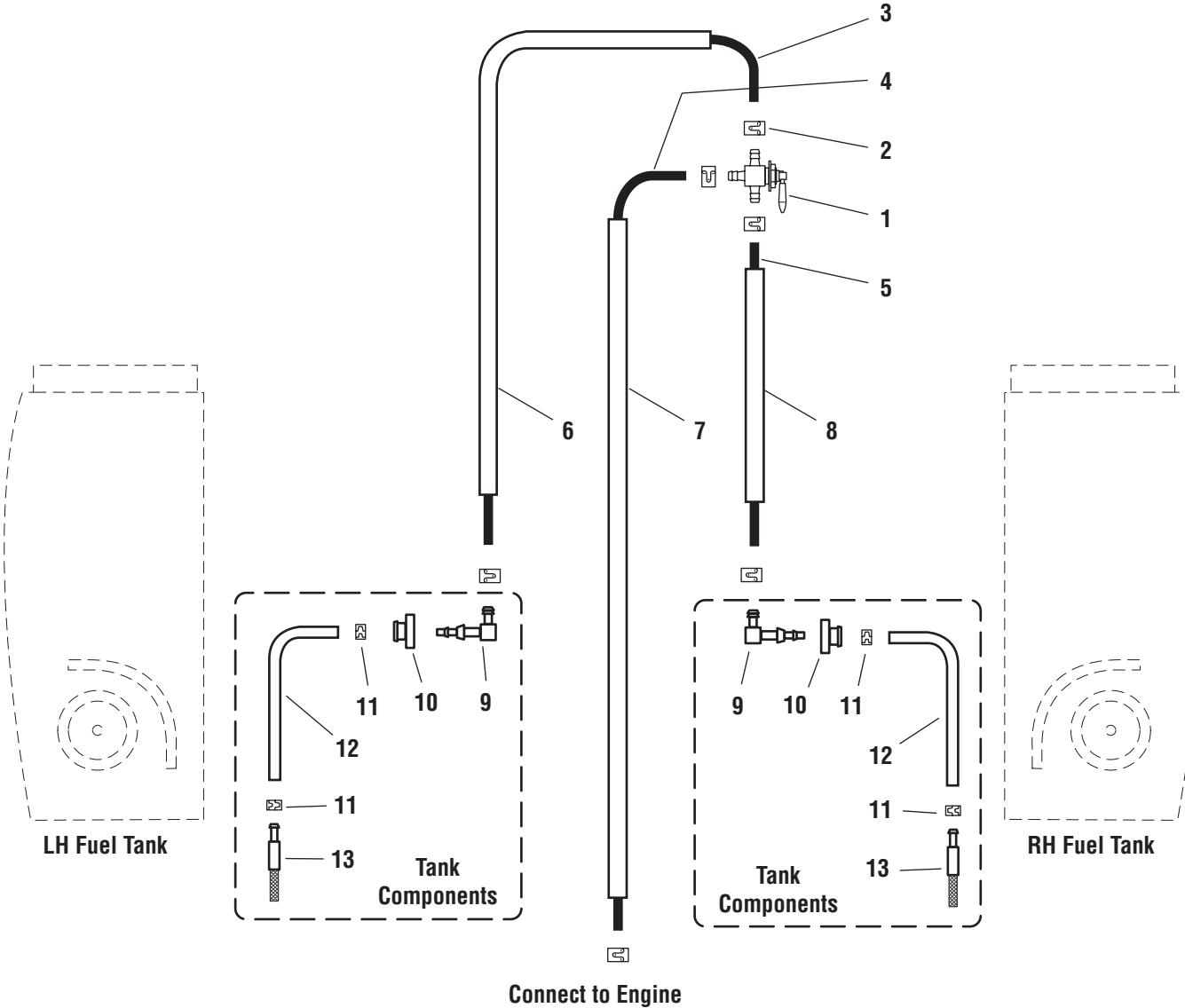
The above parts group applies to the following Model Nos.:

ZT2148T (S/N 123 & below)

ZT2352T (S/N 123 & below)

Fuel Supply Hose & Tank Replacement Part Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T (S/N 124 & above)

ZT2348T

ZT2352T (S/N 124 & above)

Fuel Supply Hose & Tank Replacement Part Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	22030	1	VALVE, Fuel Shut Off
2	20835	6	CLAMP, Hose
3	50831-42	1	HOSE, 42"
4	50831-50	1	HOSE, 50"
5	50831-23	1	HOSE, 23"
6	50833-35	1	WIRE LOOM, 35"
7	50833-40	1	WIRE LOOM, 40"
8	50833-22	1	WIRE LOOM, 22"
9	1726400	2	RUBBER BUSHING
10	23061	2	ELBOW FITTING
11	23069	4	CLAMP, Hose
12	50925-20	2	HOSE, 20"
13	23067	2	FITTING, Screen

Footnotes:

The above parts group applies to the following Model Nos.:

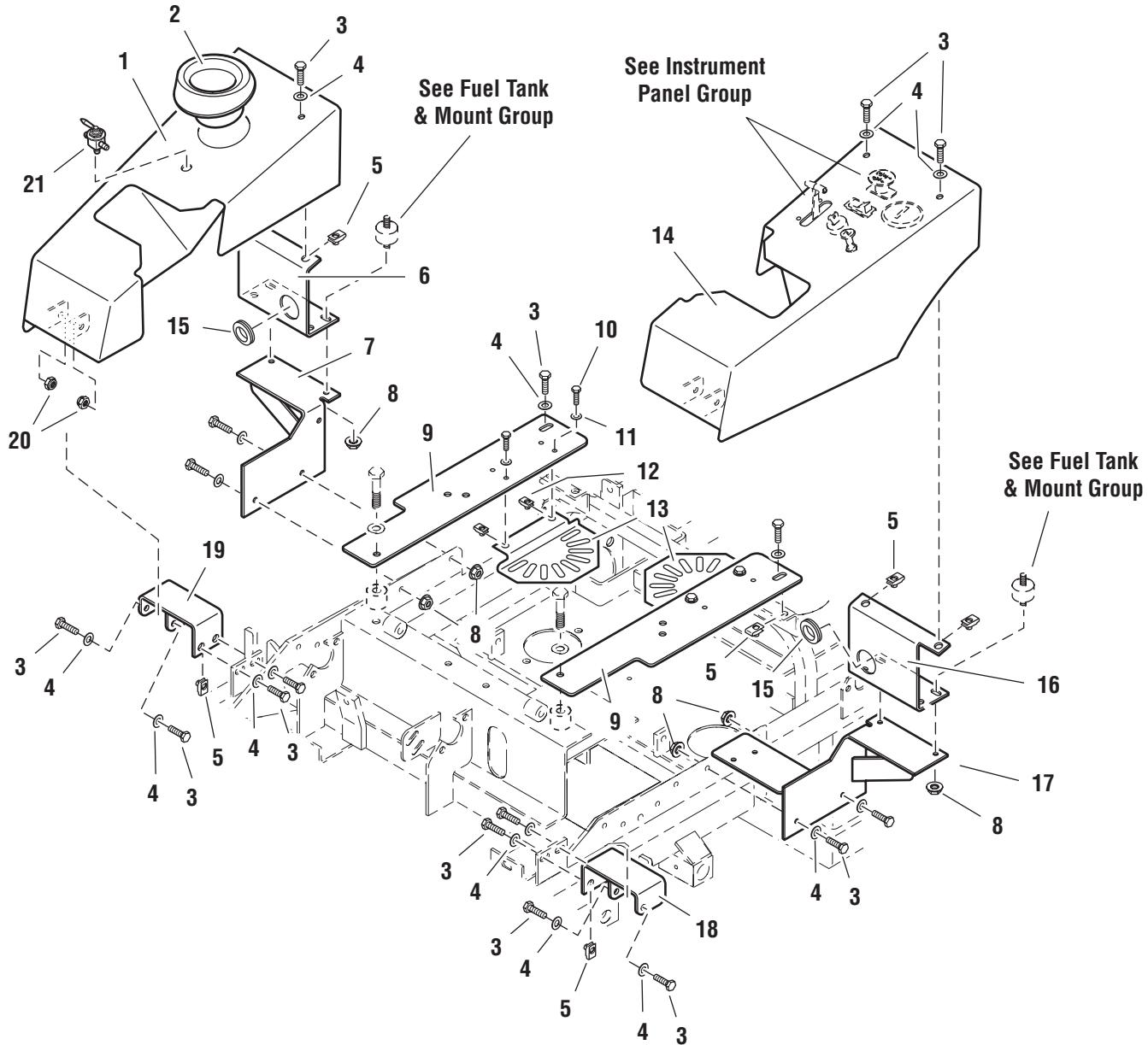
ZT2148T (S/N 124 & above)

ZT2348T

ZT2352T (S/N 124 & above)

Control Cover & Mount Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Control Cover & Mount Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	3847890	1	CONTROL COVER-RH
2	1719392	1	CUP HOLDER
3	25011-8	18	CAPSCREW, Hex Hd, 5/16-18 x 1
4	25155	18	WASHER, 5/16
5	22308	10	BODY CLIP, 5/16-18
6	3847884	1	CONTROL COVER MOUNT-RH
7	3847893	1	DEBRIS GUARD-RH
8	25127	8	NUT, Hex, Serrated Flange, 5/16-18
9	3847073	2	FAN SHIELD MOUNT
10	25010-8	4	CAPSCREW, Hex Hd, 1/4-20 x 1
11	25154	4	WASHER, 1/4
12	22665	4	BODY CLIP, 1/4-20
13	3846645	2	FAN SHIELD
14	3847891	1	CONTROL COVER-LH
15	21397	2	GROMMET
16	3847885	1	CONTROL COVER MOUNT-LH
17	3847894	1	DEBRIS GUARD-LH
18	3847910	1	CONTROL PANEL PIVOT-LH
19	3847909	1	CONTROL PANEL PIVOT-RH
20	25057	4	NUT, Hex, Nylon Lock, 5/16-18
21	22030	1	FUEL SHUT OFF VALVE

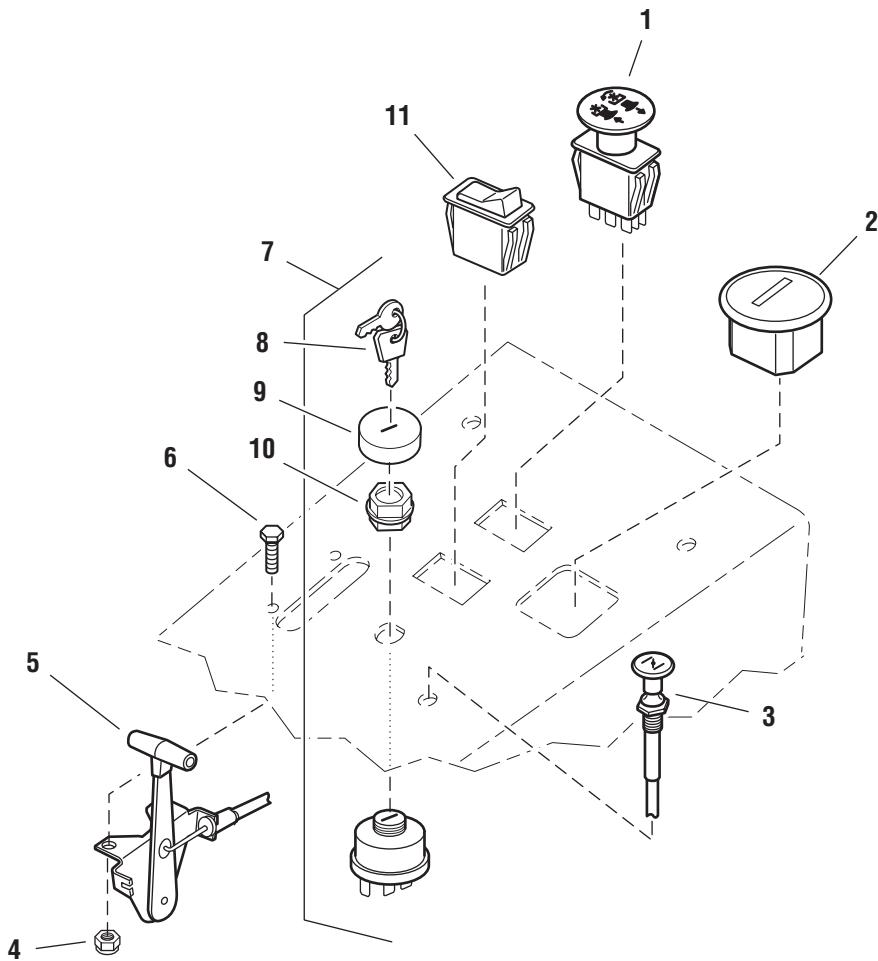
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Instrument Panel Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Instrument Panel Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	22180	1	SWITCH, PTO
2	20060	1	HOURMETER
3	21675	1	CABLE, Choke Control
4	25126	2	NUT, Hex, Nylon Lock, 1/4-20
5	21662	1	CABLE, Throttle Control
6	25010-6	2	CAPSCREW, Hex Hd, 1/4-20 x 3/4
7	20927	1	SWITCH, Ignition, Complete (includes Ref 8-10)
8	22789	1	KEY, Ignition, Molded (Set of 2)
9	22790	1	COVER
10	22791	1	PLASTIC NUT
11	1703799	1	SWITCH, Headlight

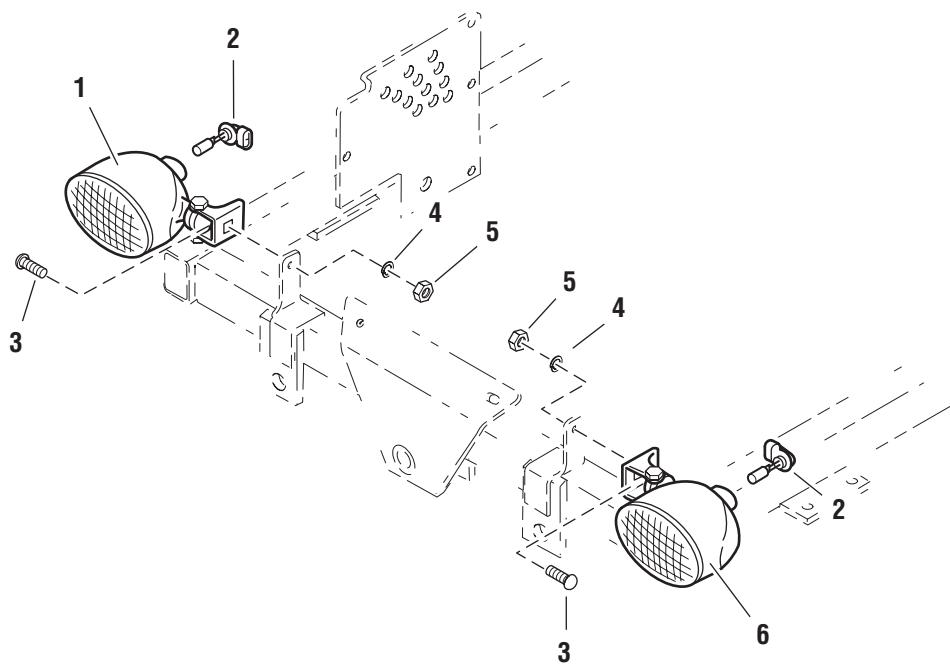
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Headlight Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Headlight Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	22980	1	HEADLIGHT-RH, Complete (includes Ref. 2-5)
2	23057	2	BULB, Headlight
3	25145	2	CARRIAGE BOLT, 5/16-18 x 1
4	25170	2	WASHER, Lock, 5/16
5	25032	2	NUT, Hex, 5/16-18
6	22979	1	HEADLIGHT-LH, Complete (includes Ref. 2-5)

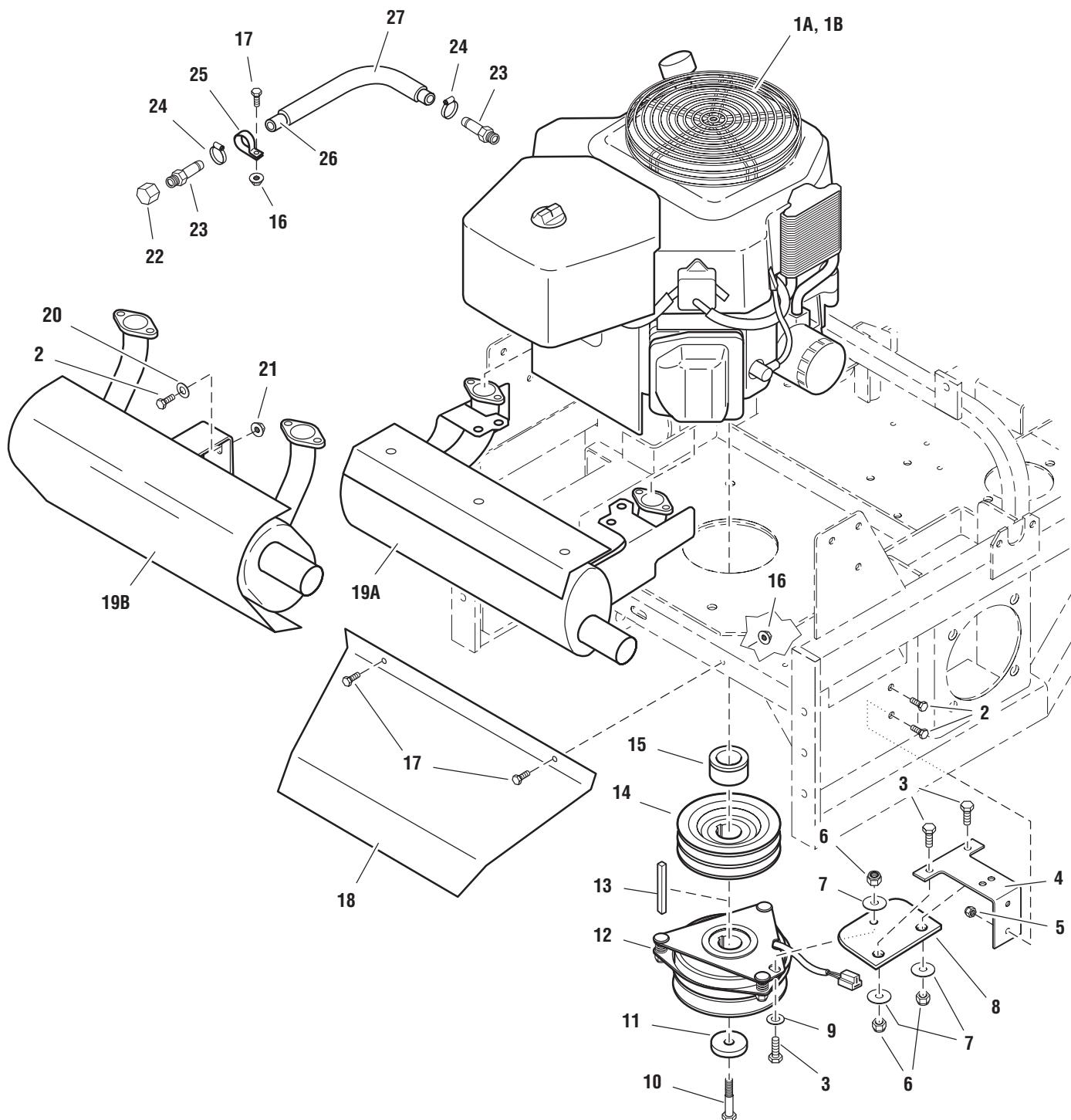
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Engine & PTO Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Engine & PTO Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1A	22888	1	ENGINE, 21HP Kohler
1B	22889	1	ENGINE, 23HP Kohler
*	21144-1	1	OIL FILTER
*	21178-3	1	FUEL FILTER
*	*	1	PRE-CLEANER (4508301)
*	*	1	AIR FILTER (4508302)
2	25011-6	2	CAPSCREW, Hex Hd, 5/16-18 x 3/4
3	25013-8	3	CAPSCREW, Hex Hd, 3/8-16 x 1
4	3847134	1	CLUTCH ANCHOR
5	25057	2	NUT, Hex, Nylon Lock, 5/16-18
6	25096	3	NUT, Hex, Nylon Lock, 3/8-16
7	25165	3	WASHER, Fender, 3/8
8	43636	1	CLUTCH ANCHOR PAD
9	25156	1	WASHER, 3/8
10	44853	1	CRANKSHAFT BOLT, 7/16 x 2
11	45475	1	SPACER, .45 x 1.88 x .38
12	23231	1	ELECTRIC CLUTCH
13	50407-28	1	KEY, 1/4 Sq. x 3-1/2
14	47075	1	CRANKSHAFT PULLEY
15	47033	1	SPACER, 1.13 x 1.75 x 1.03
16	25126	3	NUT, Hex, Serrated Flange, 1/4-20
17	25010-6	3	CAPSCREW, Hex Hd, 1/4-20 x 3/4
18	3847346	1	MUFFLER HEAT SHIELD (for use with silver version muffler only)
19A	22952**	1	MUFFLER (silver version, S/N 101-123, both models)
19B	22952	1	MUFFLER (black version, S/N 124 & up, both models)
20	25155	1	WASHER, 5/16
21	25127	1	NUT, Hex, Serrated Flange, 5/16-18
22	21466	1	CAP, 3/8NPT
23	21372	2	FITTING, 3/8NPT - 1/2 Str.
24	21392	2	HOSE CLAMP
25	21500	1	CLAMP, Vinyl
26	50857-13	1	HOSE, 13"
27	50862-12	1	WIRE LOOM, 12"

Footnotes:

* See your local Kohler engine dealer for service parts

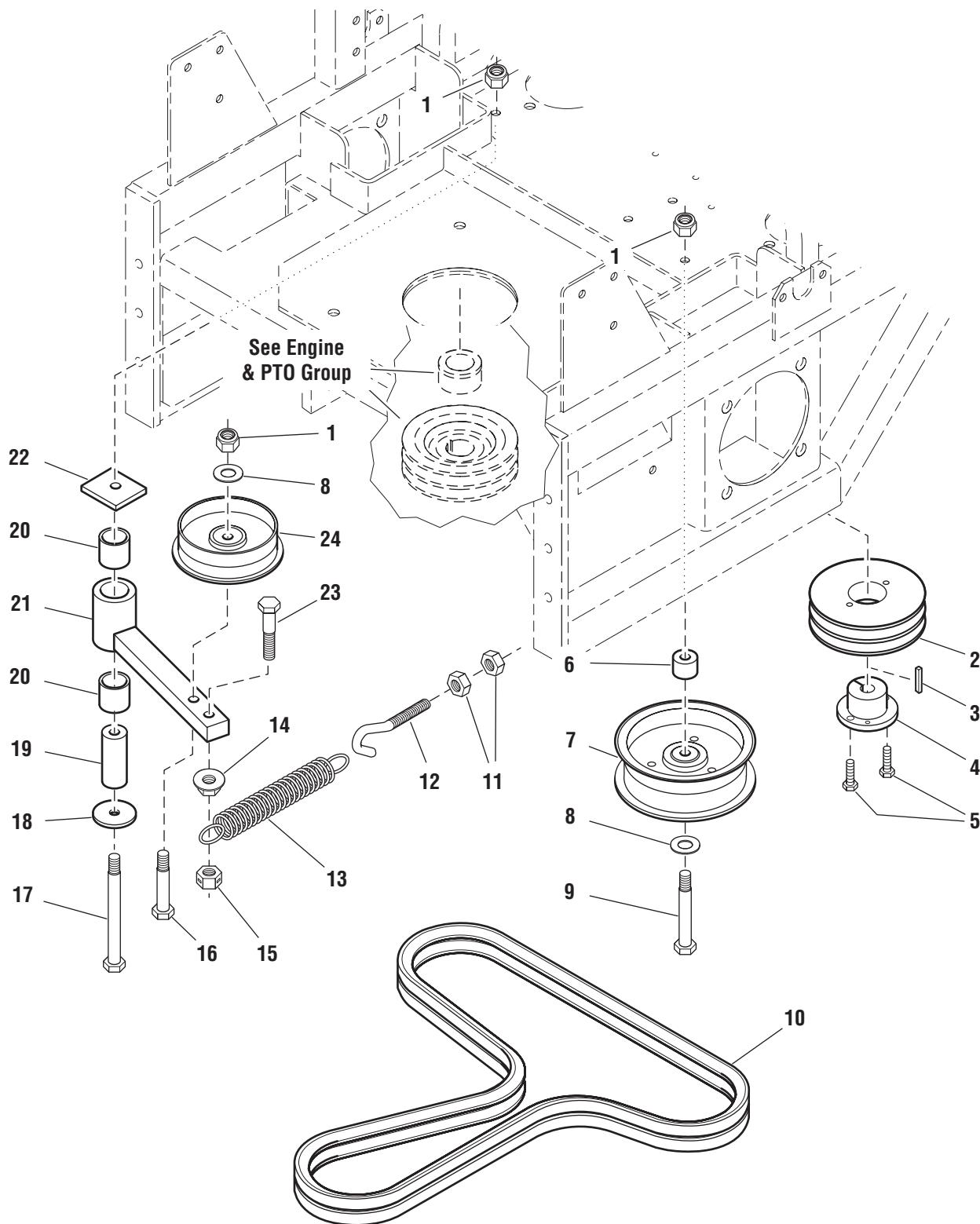
** Silver version not available for replacement parts. If muffler is replaced, remove heat shield (ref 18)

The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Pump Drive Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Pump Drive Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	25096	3	NUT, Hex, Nylon Lock, 3/8-16
2	22586	2	PULLEY, Pump Drive
3	22156	2	KEY, 5mm x 25mm
4	22587	2	BUSHING, Tapered Hub
5	25010-8	4	CAPSCREW, Hex Hd, 1/4-20 x 1
6	46446	1	SPACER, .39 x 1.00 x .79
7	22620	1	PULLEY, Idler
8	25156	2	WASHER, 3/8
9	25013-22	1	CAPSCREW, Hex Hd, 3/8-16 x 2-3/4
10	22314	1	BELT, Pump Drive (Set)
11	25034	2	NUT, Hex, 3/8-16
12	25321	1	SCREW HOOK, 3/8-16 x 4-1/4
13	22847	1	SPRING, Extension, Swivel End
14	25128	1	NUT, Hex, Serrated Flange, 3/8-16
15	25100	1	NUT, Hex, Side Lock, 3/8-16
16	25013-18	1	CAPSCREW, Hex Hd, 3/8-16 x 2-1/4
17	25013-32	1	CAPSCREW, Hex Hd, 3/8-16 x 4
18	25305	1	WASHER, 3/8 x 1-3/4
19	45135	1	SHAFT, Idler Pivot
20	22157	2	BUSHING, Brass
21	3846430	1	PUMP DRIVE IDLER ARM
22	3845090	1	SPACER, Idler Pivot
23	25013-14	1	CAPSCREW, Hex Hd, 3/8-16 x 1-3/4
24	22621	1	PULLEY, Idler (Single Flange)

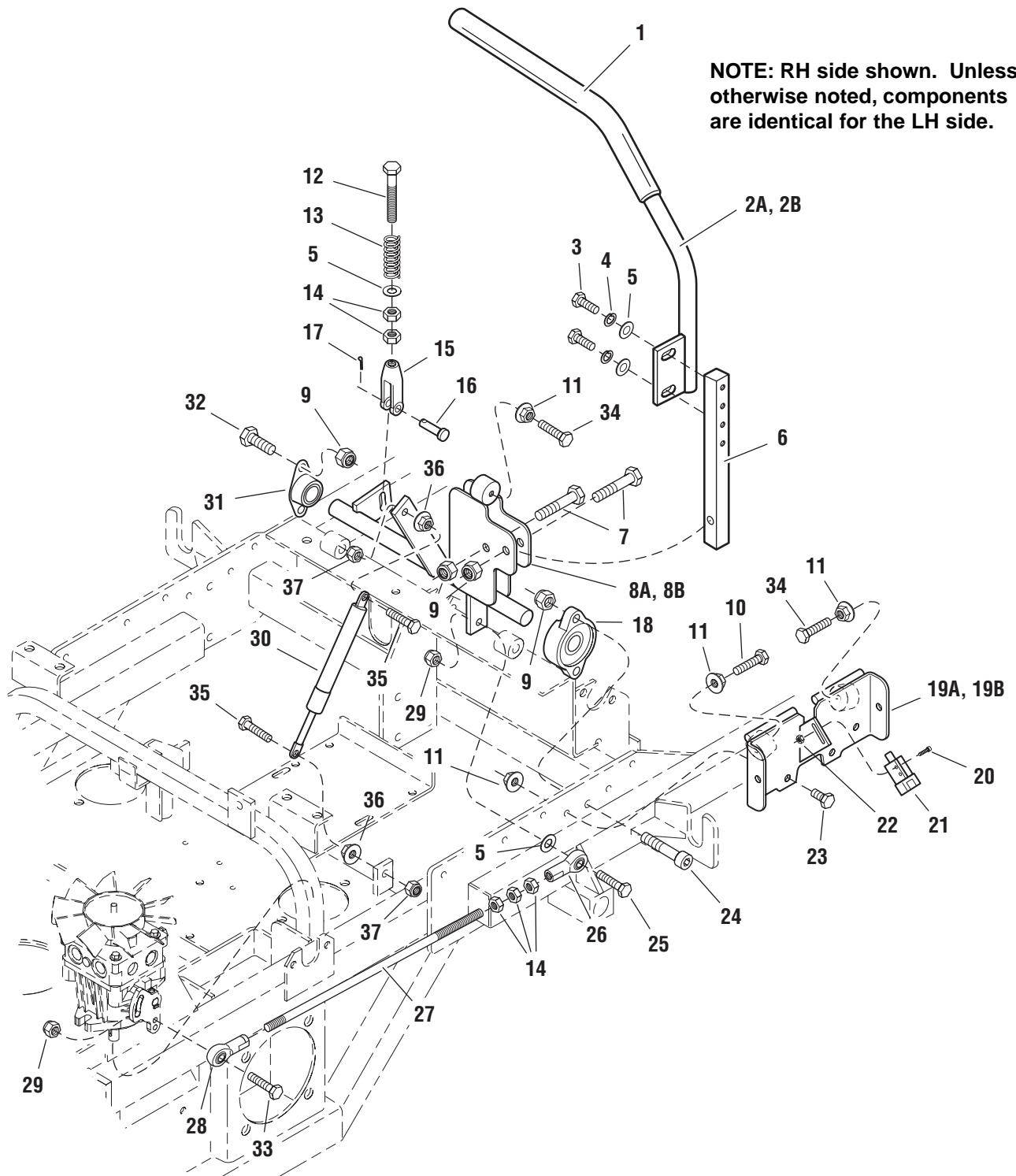
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Motion Control Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Motion Control Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	22068	2	FOAM GRIP
2A	3847056	1	MOTION CONTROL LEVER-RH
2B	3847055	1	MOTION CONTROL LEVER-LH (not shown)
3	25011-8	4	CAPSCREW, Hex Hd, 5/16-18 x 1
4	25170	4	WASHER, Lock, 5/16
5	25155	8	WASHER, 5/16
6	47004	2	CONTROL LEVER BASE
7	25013-14	4	CAPSCREW, Hex Hd, 3/8-16 x 1-3/4
8A	3847045	1	CONTROL SHAFT-RH
8B	3847044	1	CONTROL SHAFT-LH (not shown)
9	25096	10	NUT, Hex, Nylon Lock, 3/8-16
10	25055-14	2	CAPSCREW, Hex Hd, TFL, 5/16-18 x 1-3/4
11	25127	14	NUT, Hex, Serrated Flange, 5/16-18
12	47137	2	REVERSE RETURN BOLT
13	22645	2	SPRING, Reverse Return
14	25033	10	NUT, Hex, 5/16-24
15	20979	2	CLEVIS, 5/16-24
16	25213-8	2	PIN, Clevis, 5/16 x 1
17	25201-6	2	COTTER PIN
18	21499	2	BEARING, Flange
19A	3847081	1	NEUTRAL LOCK BRACKET-RH
19B	3847080	1	NEUTRAL LOCK BRACKET-LH (not shown)
20	25179-4	4	SCREW, #10-24 x 1/2
21	*	2	SWITCH (see electrical schematic)
22	25029	4	NUT, Hex, #10-24
23	25011-8	8	CAPSCREW, Hex Hd, 5/16-18 x 1
24	25327	4	CAPSCREW, Allen Hd, 3/8-16 x 1-1/4
25	25011-10	2	CAPSCREW, Hex Hd, 5/16-18 x 1-1/4
26	21146	2	BALL JOINT, 5/16-24
27	47102	2	HYDRO CONTROL ROD
28	22628	2	BALL JOINT, 5/16-24 LH
29	25057	4	NUT, Hex, Nylon Lock, 5/16-18
30	22978	2	DAMPENER
31	21098	2	BEARING, Flange
32	25013-8	2	CAPSCREW, Hex Hd, 3/8-16 x 1
33	25011-9	2	CAPSCREW, Hex Hd, 5/16-18 x 1-1/8
34	25055-10	4	CAPSCREW, Hex Hd, TFL, 5/16-18 x 1-1/4
35	25335	4	CAPSCREW, Hex Hd, M8-1/25 x 35MM
36	25355	4	NUT, Hex, Serrated Flange, M8-1.25
37	25354	4	NUT, Hex, Nylon Lock, M8-1.25

Footnotes:

* - See Electrical Schematic for switch part number

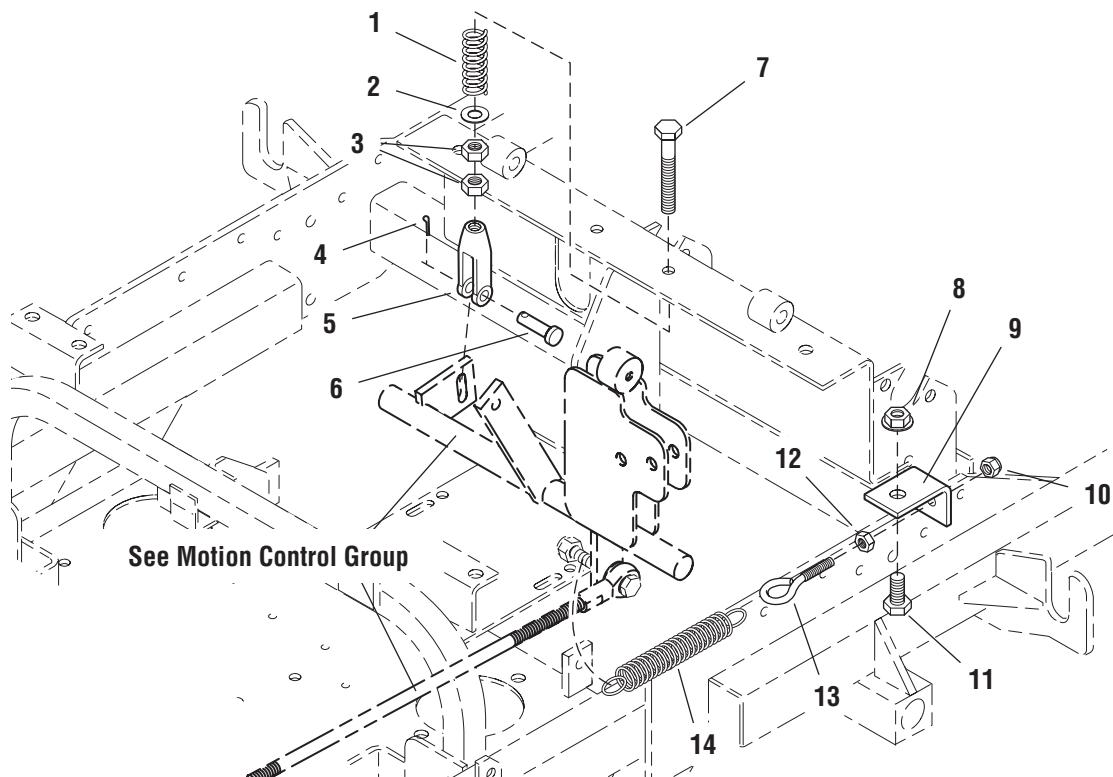
The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Motion Control - Neutral Return Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

NOTE: RH side shown. Unless
otherwise noted, components
are identical for the LH side.



The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Motion Control - Neutral Return Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	22645	2	SPRING, Reverse Return
2	25155	2	WASHER, 5/16
3	25033	4	NUT, Hex, 5/16-24
4	25201-6	2	COTTER PIN
5	20979	2	CLEVIS, 5/16-24
6	25213-8	2	PIN, Clevis, 5/16 x 1
7	47137	2	REVERSE RETURN BOLT
8	25127	2	NUT, Hex, Serrated Flange, 5/16-18
9	3846918	2	BRACKET, Neutral Adjust
10	25095	2	NUT, Hex, Nylon Lock, 1/4-20
11	25011-6	2	CAPSCREW, Hex Hd, 5/16-18 x 3/4
12	25030	2	NUT, Hex, 1/4-20
13	22205	2	EYEBOLT
14	20807	2	SPRING, Extension

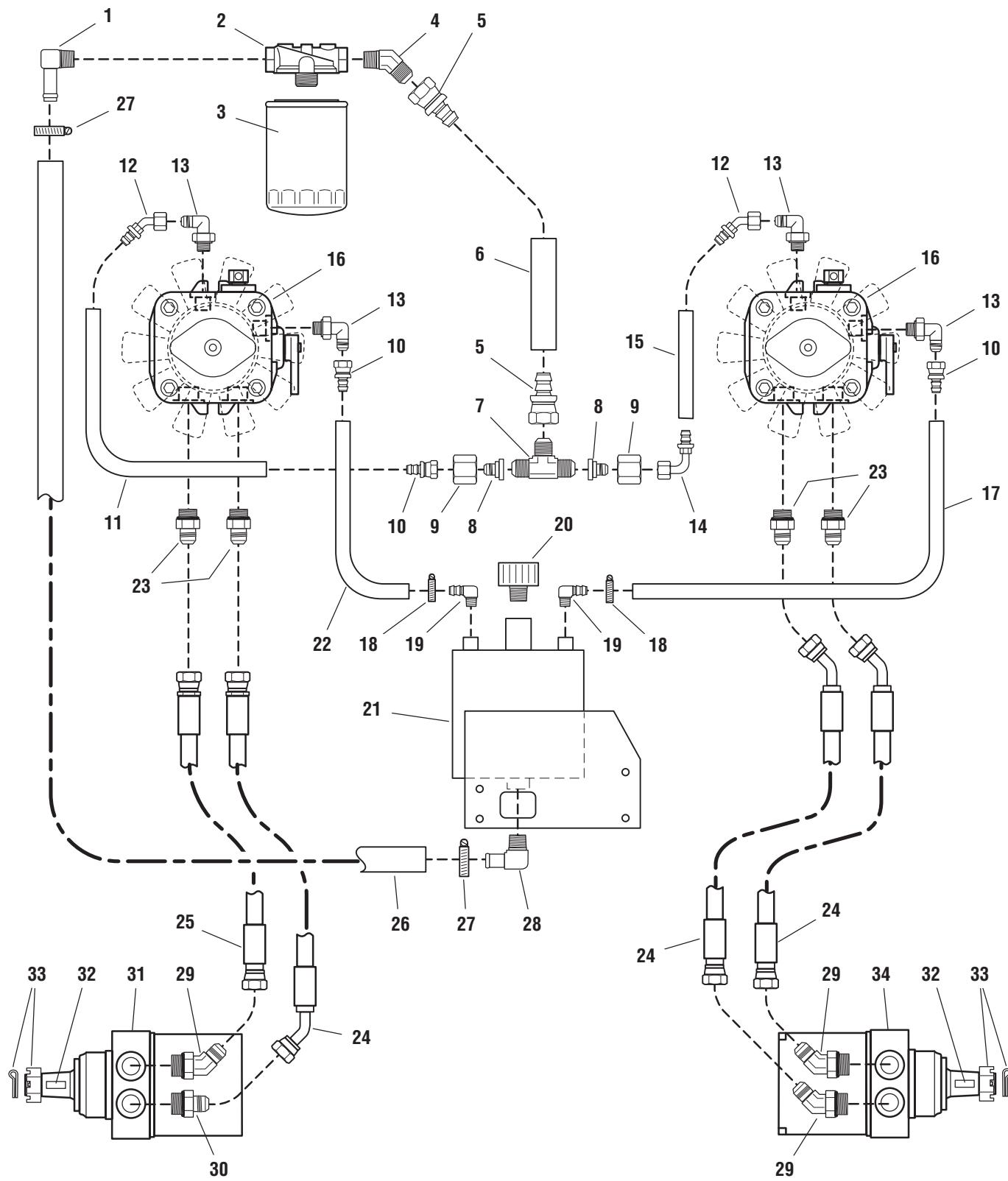
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Hydraulic Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T (S/N: 338 & below)

ZT2352T (S/N: 363 & below)

Hydraulic Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	22723	1	FITTING, 1/2" NPT, 90 Deg.
2	21356	1	FILTER HEAD
3	21357	1	FILTER
4	22720	1	FITTING, 1/2" NPT, 45 Deg.
5	22719	2	FITTING, Hydraulic, Straight Swivel
6	50848-7.5	1	HOSE, Hydraulic, 7-1/2"
7	22718	1	FITTING, Tee
8	22716	2	ADAPTER, Tee
9	22717	2	NUT, Adapter
10	22713	3	FITTING, Hydraulic, Straight Swivel
11	50860-13.75	1	HOSE, Hydraulic, 13-3/4"
12	22714	2	FITTING, Hydraulic, 45 Deg. Swivel
13	22712	4	FITTING, Hydraulic, O-Ring, 90 Deg.
14	22715	1	FITTING, Hydraulic, 90 Deg. Swivel
15	50860-6.75	1	HOSE, Hydraulic, 6-3/4"
16	22571	2	HYDRAULIC PUMP w/ FAN
*	22571-2	2	Fan
17	50860-29	1	HOSE, Hydraulic, 29"
18	21392	2	HOSE CLAMP, #6
19	22708	2	FITTING, 1/4" NPT, 90 Deg.
20	22705	1	BREATHER
21	3847108	1	HYDRAULIC RESERVOIR
22	50860-20	1	HOSE, Hydraulic, 20"
23	22633	4	FITTING, Hydraulic, O-Ring Adapter
24	22710	3	HYDRAULIC HOSE ASSEMBLY, 25"
25	22711	1	HYDRAULIC HOSE ASSEMBLY, 21"
26	50848-16.5	1	HOSE, Hydraulic, 16-1/2"
27	21164	1	HOSE CLAMP, #10
28	22707	1	FITTING, 1/2" NPT, 90 Deg.
29	22709	3	FITTING, Hydraulic, O-Ring, 45 Deg.
30	22634	1	FITTING, Hydraulic, O-Ring Adapter
31	22975L	1	HYDRAULIC WHEEL MOTOR-LEFT, Complete (includes Ref 32 & 33)
32	22042-2	2	KEY
33	22042-3	2	NUT & COTTER PIN
34	22975R	1	HYDRAULIC WHEEL MOTOR-RIGHT, Complete (includes Ref 32 & 33)

Footnotes:

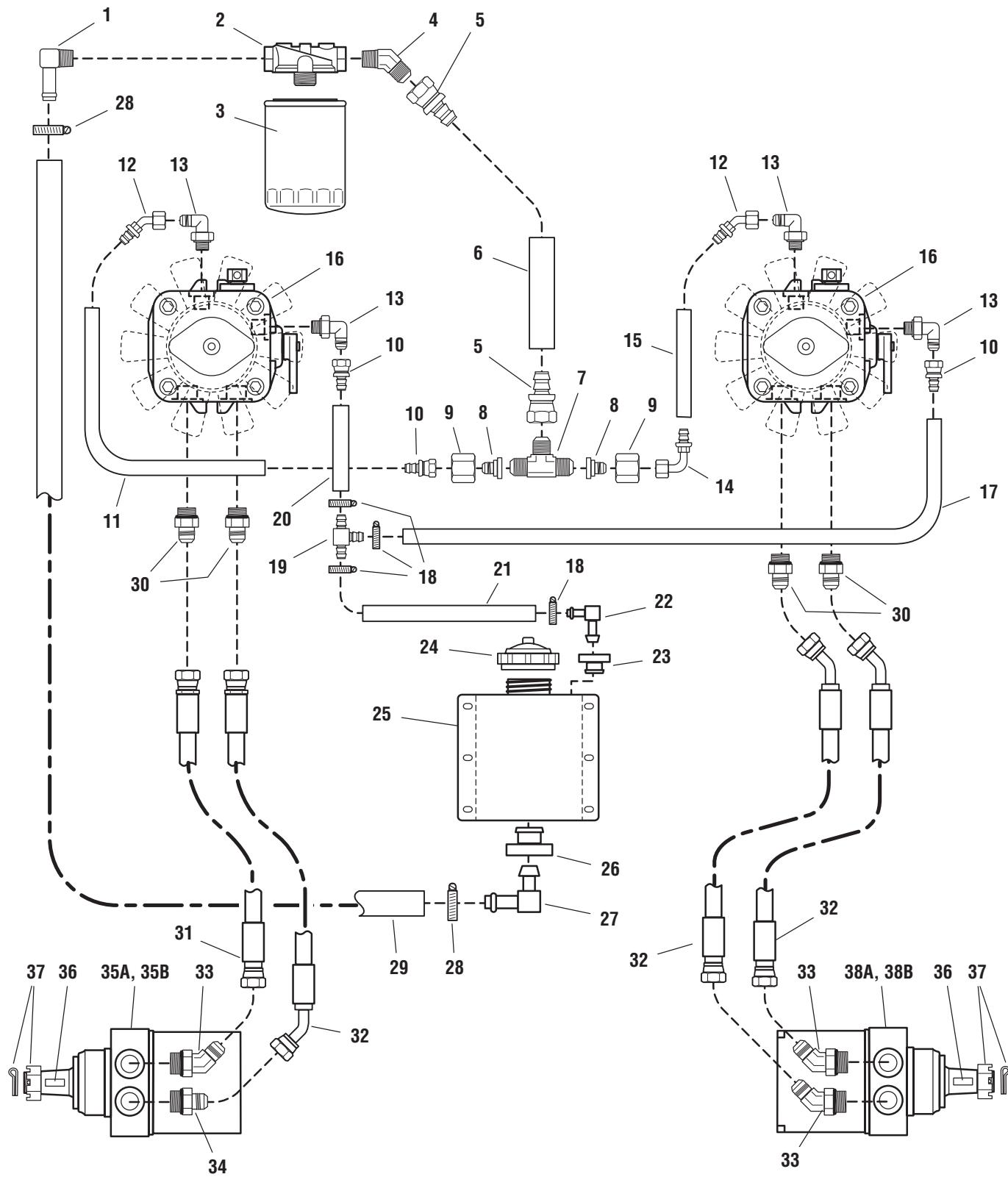
The above parts group applies to the following Model Nos.:

ZT2148T (S/N: 338 & below)

ZT2352T (S/N: 363 & below)

Hydraulic Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T (S/N: 339 & above)

ZT2348T

ZT2352T (S/N: 364 & above)

Hydraulic Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	21233	1	FITTING, 1/2" NPT, 90 Deg.
2	21356	1	FILTER HEAD
3	21357	1	FILTER
4	22720	1	FITTING, 1/2" NPT, 45 Deg.
5	22719	2	FITTING, Hydraulic, Straight Swivel
6	50848-7.5	1	HOSE, Hydraulic, 7-1/2"
7	22718	1	FITTING, Tee
8	22716	2	ADAPTER, Tee
9	22717	2	NUT, Adapter
10	22713	3	FITTING, Hydraulic, Straight Swivel
11	50860-13.75	1	HOSE, Hydraulic, 13-3/4"
12	22714	2	FITTING, Hydraulic, 45 Deg. Swivel
13	22712	4	FITTING, Hydraulic, O-Ring, 90 Deg.
14	22715	1	FITTING, Hydraulic, 90 Deg. Swivel
15	50860-6.75	1	HOSE, Hydraulic, 6-3/4"
16	22571	2	HYDRAULIC PUMP w/ FAN
*	22571-2	2	Fan
17	50860-16.5	1	HOSE, Hydraulic, 16-1/2"
18	21392	4	HOSE CLAMP, #6
19	22920	1	FITTING, TEE, 3/8"
20	50860-6	1	HOSE, Hydraulic, 6"
21	50860-17.5	1	HOSE, Hydraulic, 17-1/2"
22	23118	1	FITTING, Elbow, 3/8"
23	23120	1	GROMMET
24	21468	1	CAP
25	48111	1	HYDRAULIC OIL RESERVOIR, Complete (includes Ref. No. 22, 23, 26 & 27)
26	23121	1	GROMMET
27	23119	1	FITTING, Elbow, 5/8"
28	21164	2	HOSE CLAMP, #10
29	50848-18	1	HOSE, Hydraulic, 18"
30	22633	4	FITTING, Hydraulic, O-Ring Adapter
31	22711	2	HYDRAULIC HOSE ASSEMBLY, 21"
32	22710	2	HYDRAULIC HOSE ASSEMBLY, 25"
33	22709	2	FITTING, Hydraulic, O-Ring, 45 Deg.
34	22634	2	FITTING, Hydraulic, O-Ring Adapter
35A	22975L	1	HYDRAULIC WHEEL MOTOR-LEFT, Complete (includes Ref No. 36 & 37) (ZT2148T - S/N: 678 & below) (ZT2352T - S/N: 835 & below)
35B	22974L	1	HYDRAULIC WHEEL MOTOR-LEFT, Complete (includes Ref No. 36 & 37) (ZT2148T - S/N: 679 & above) (ZT2348T - all) (ZT2352T - S/N: 836 & above)
36	22042-2	2	KEY
37	22042-3	2	NUT & COTTER PIN
38A	22975R	1	HYDRAULIC WHEEL MOTOR-RIGHT, Complete (includes Ref No. 36 & 37) (ZT2148T - S/N: 678 & below) (ZT2352T - S/N: 835 & below)
38B	22974R	1	HYDRAULIC WHEEL MOTOR-RIGHT, Complete (includes Ref No. 36 & 37) (ZT2148T - S/N: 679 & above) (ZT2348T - all) (ZT2352T - S/N: 836 & above)

Footnotes:

The above parts group applies to the following Model Nos.:

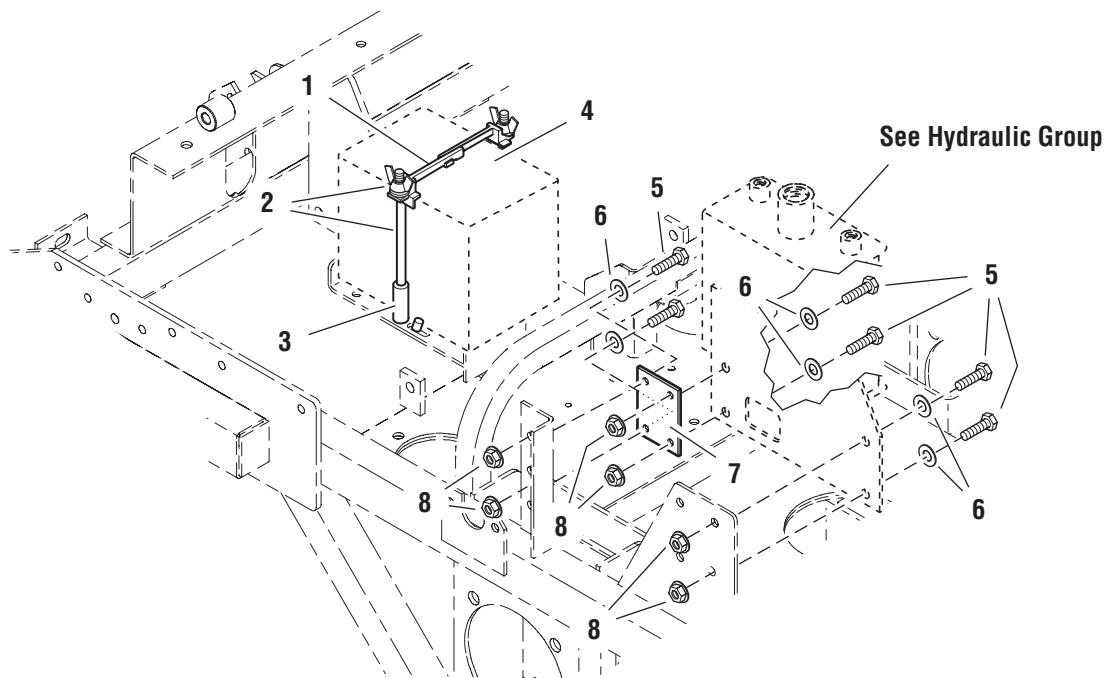
ZT2148T (S/N: 339 & above)

ZT2348T

ZT2352T (S/N: 364 & above)

Reservoir Mount & Battery Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T (S/N: 338 & below)
ZT2352T (S/N: 363 & below)

Reservoir Mount & Battery Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	22595	1	BATTERY HOLDDOWN
2	22596	2	BATTERY HOLDDOWN BOLT
3	50831-3	2	HOSE, 3"
4	*	1	BATTERY, 12V, 340 CCA Lawn & Garden
5	25011-8	6	CAPSCREW, Hex Hd, 5/16-18 x 1
6	25155	6	WASHER, 5/16
7	3847336	1	TANK MOUNT PLATE
8	25127	6	NUT, Hex, Serrated Flange, 5/16-18

Footnotes:

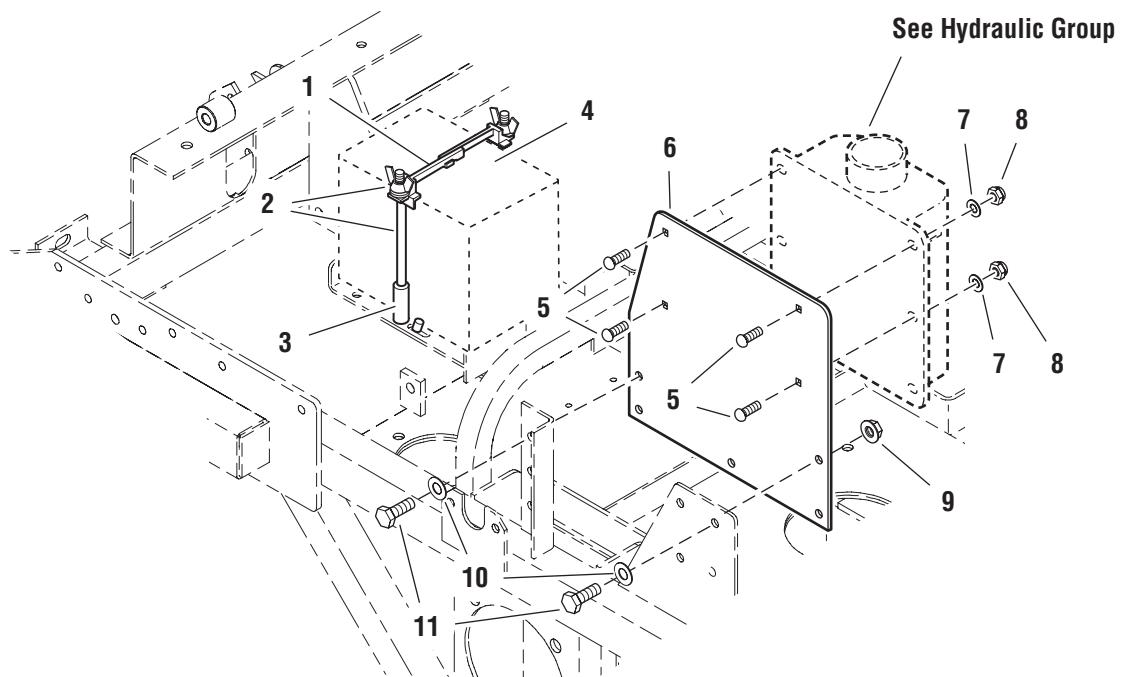
The above parts group applies to the following Model Nos.:

ZT2148T (S/N: 338 & below)

ZT2352T (S/N: 363 & below)

Reservoir Mount & Battery Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T (S/N: 339 & above)

ZT2348T

ZT2352T (S/N: 364 & above)

Reservoir Mount & Battery Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	22595	1	BATTERY HOLDDOWN
2	22596	2	BATTERY HOLDDOWN BOLT
3	50831-3	2	HOSE, 3"
4	*	1	BATTERY, 12V, 340 CCA Lawn & Garden
5	25144-6	4	CARRIAGE BOLT, 1/4-20 x 3/4
6	3847990	1	PLATE, Tank Mount
7	25154	4	WASHER, 1/4
8	25095	4	NUT, Hex Nylon Lock, 1/4-20
9	25127	4	NUT, Hex Serrated Flange, 5/16-18
10	25155	4	WASHER, 5/16
11	25011-8	4	CAPSCREW, Hex Head, 5/16-18 x 1

Footnotes:

The above parts group applies to the following Model Nos.:

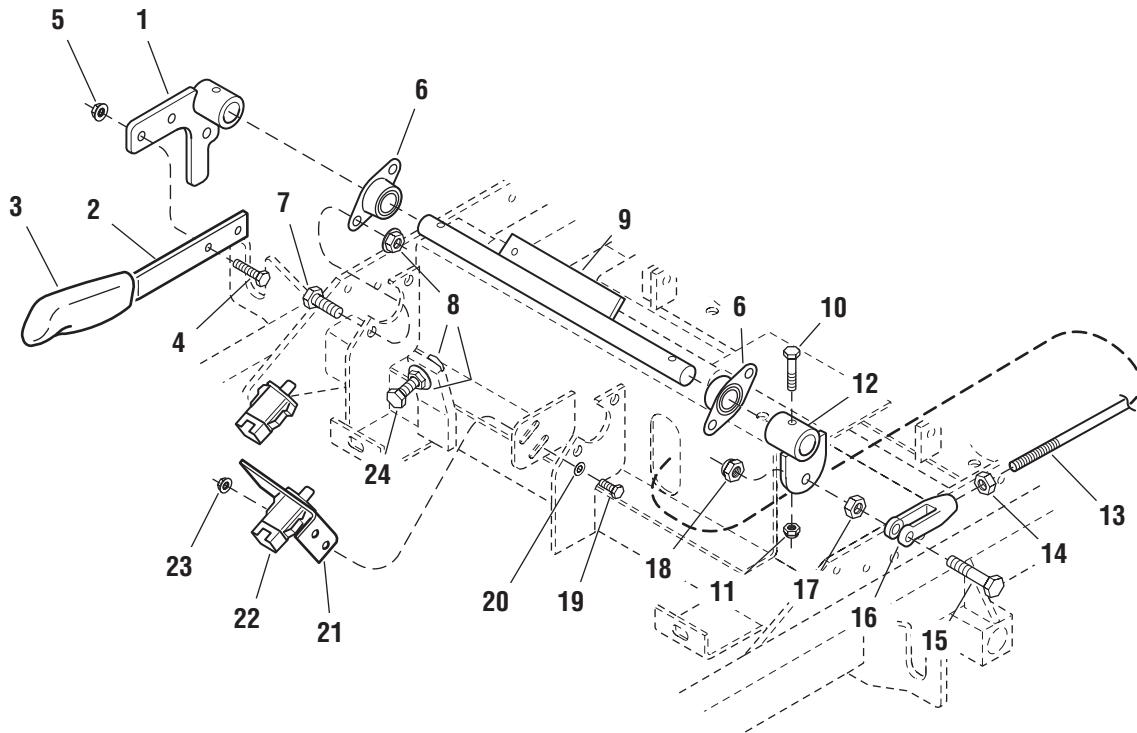
ZT2148T (S/N: 339 & above)

ZT2348T

ZT2352T (S/N: 364 & above)

Parking Brake Group - Upper

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Parking Brake Group - Upper

REF NO.	PART NO.	QTY.	DESCRIPTION
1	3845616	1	BRAKE HANDLE MOUNT
2	3845619	1	BRAKE HANDLE
3	1722302	1	GRIP
4	25011-8	2	CAPSCREW, Hex Hd, 5/16-18 x 1
5	25127	2	NUT, Hex, Serrated Flange, 5/16-18
6	21098	2	BEARING, Flange
7	25013-6	4	CAPSCREW, Hex Hd, 3/8-16 x 3/4
8	25128	6	NUT, Hex, Serrated Flange, 3/8-16
9	3847083	1	BRAKE HANDLE SHAFT
10	25010-14	2	CAPSCREW, Hex Hd, 1/4-20 x 1-3/4
11	25095	2	NUT, Hex, Nylon Lock, 1/4-20
12	3845618	1	BRAKE LINKAGE PIVOT
13	47119	1	BRAKE CONNECTING ROD
14	25035	1	NUT, Hex, 3/8-24
15	25013-16	1	CAPSCREW, Hex Hd, 3/8-16 x 2
16	21171	1	CLEVIS, 3/8-24
17	25034	1	NUT, Hex, 3/8-16
18	25096	1	NUT, Hex, Nylon Lock, 3/8-16
19	25010-6	2	CAPSCREW, Hex Hd, 1/4-20 x 3/4
20	25154	2	WASHER, 1/4
21	3845621	1	SWITCH MOUNT BRACKET
22	*	*	SWITCH (see electrical schematic)
23	25126	2	NUT, Hex, Serrated Flange, 1/4-20
24	25058-14	1	CAPSCREW, Hex Hd, TFL, 3/8-16 x 1-3/4

Footnotes:

* - See Electrical Schematic for switch part number

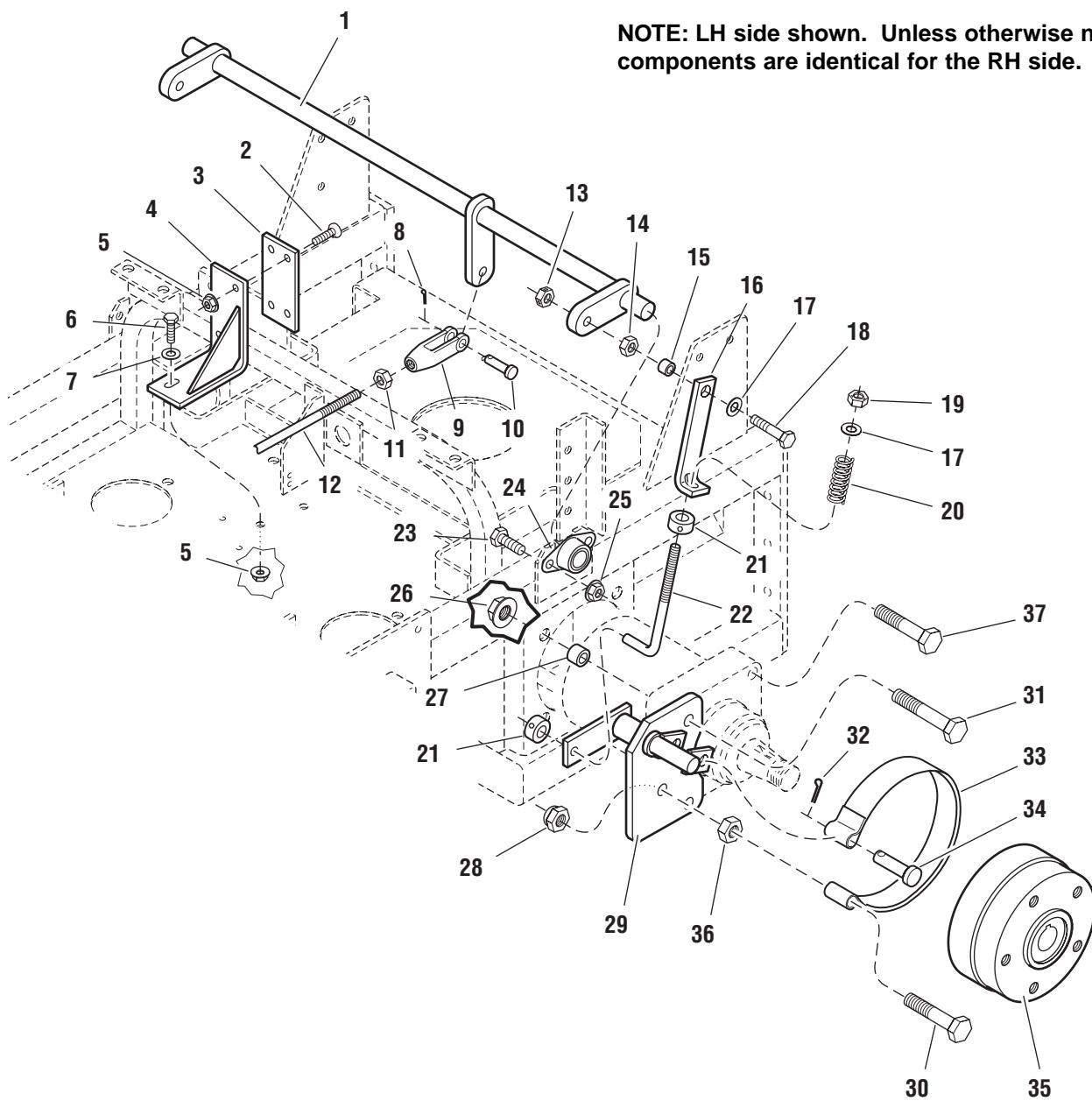
The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Parking Brake Group - Lower

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

NOTE: LH side shown. Unless otherwise noted, components are identical for the RH side.



The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Parking Brake Group - Lower

REF NO.	PART NO.	QTY.	DESCRIPTION
1	3847128	1	BRAKE CROSS SHAFT
2	25303	2	SCREW, Flat Head, Socket, 5/16-18 x 1
3	45990	1	FRICITION PLATE
4	3847153	1	SUPPORT, Brake Shaft
5	25127	4	NUT, Hex, Serrated Flange, 5/16-18
6	25011-8	2	CAPSCREW, Hex Hd, 5/16-18 x 1
7	25155	2	WASHER, 5/16
8	25201-6	1	COTTER PIN
9	21171	1	CLEVIS, 3/8-24
10	25214-8	1	PIN, Clevis, 3/8 x 1
11	25035	1	NUT, Hex, 3/8-24
12	47119	1	BRAKE CONNECTING ROD
13	25100	2	NUT, Hex, Side Lock, 3/8-16
14	25034	2	NUT, Hex, 3/8-16
15	41930	2	SPACER, .38 x .50 x .27
16	3847084	2	BRAKE LINK
17	25156	4	WASHER, 3/8
18	25013-12	2	CAPSCREW, Hex Hd, 3/8-16 x 1-1/2
19	25046	2	NUT, Hex, Top Lock, 3/8-16
20	22361	2	BRAKE SPRING
21	10546	4	COLLAR, Set, 3/8
22	47091	2	ROD, Brake Adjustment
23	25013-6	4	CAPSCREW, Hex Hd, 3/8-16 x 3/4
24	21098	2	BEARING, Flange
25	25128	4	NUT, Hex, Serrated Flange, 3/8-16
26	25387	8	NUT, Hex Flange Lock, 1/2-20
27	47027	8	SPACER, .51 x .75 x .56
28	25056	2	NUT, Hex, Nylon Lock, 1/2-13
29	3847089	1	BRAKE BAND SHAFT-LH
*	3847090	1	BRAKE BAND SHAFT-RH (not shown)
30	25017-24	6	CAPSCREW, Hex Hd, 1/2-13 x 3
31	25018-28	4	CAPSCREW, Hex Hd, 1/2-20 x 3-1/2
32	25202-10	2	COTTER PIN
33	22607	2	BRAKE BAND
34	25328-16	2	PIN, Clevis, 1/2 x 2
35	47052	2	BRAKE HUB
36	25038	2	NUT, Hex, 1/2-13
37	25018-24	4	CAPSCREW, Hex Head, 1/2-20 x 3

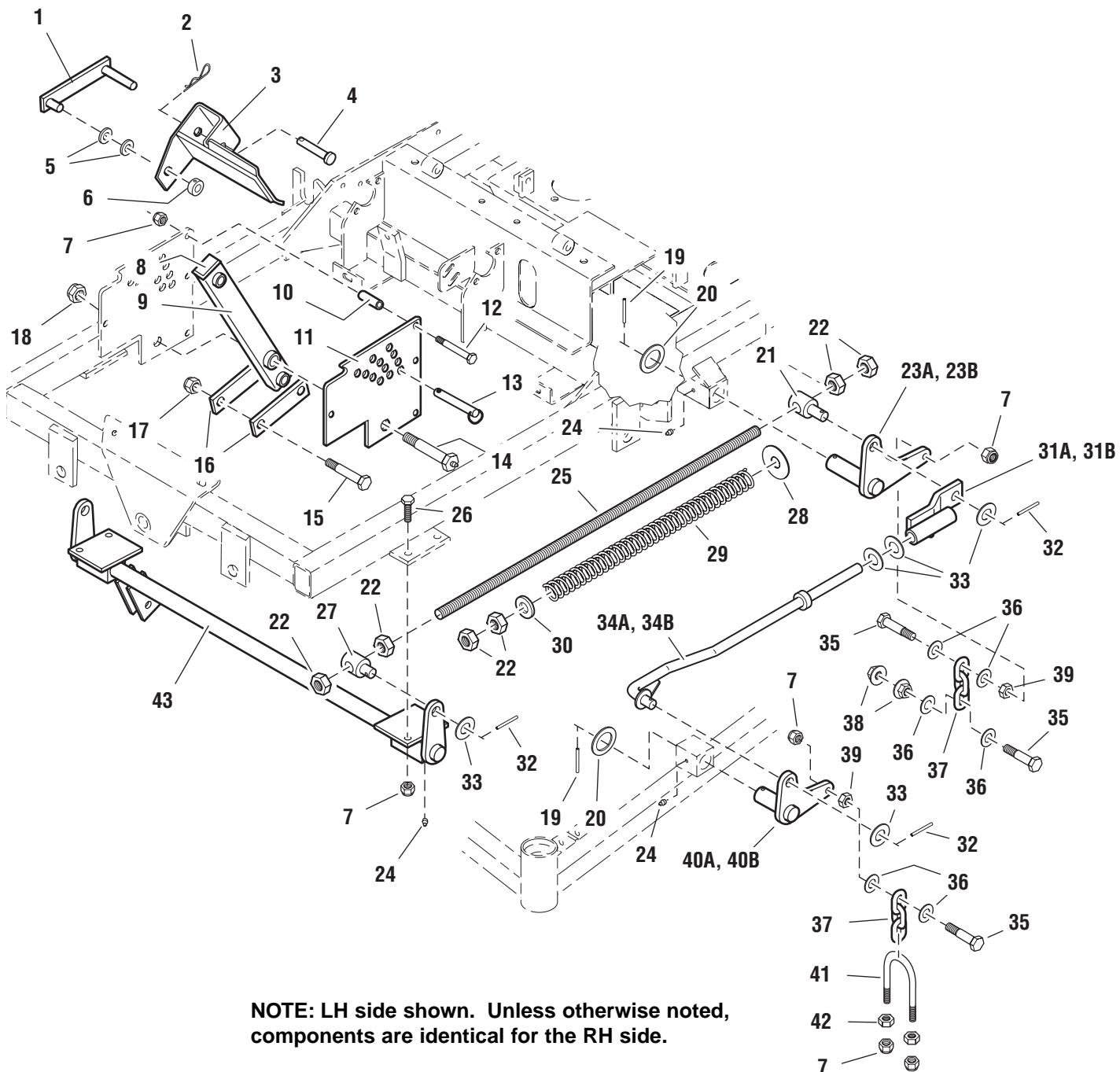
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Deck Lift Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Deck Lift Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	3844999	1	DECK LIFT LOCK
2	25210	1	HAIRPIN CLIP
3	3845058	1	DECK LIFT PEDAL
*	44875	1	SAFETY WALK, Deck Lift Pedal (not shown)
4	22044	1	PIN, Clevis, 1/2 x 2-1/2
5	25158	2	WASHER, 1/2
6	23241	1	COLLAR, Split, 1/2
7	25096	16	NUT, Hex, Nylon Lock, 3/8-16
8	22097	1	CAP
9	3844987	1	ARM, Deck Lift Pivot
10	44992	4	SPACER, .38 x .50 x 1.56
11	3847043	1	DECK HEIGHT PLATE
12	25013-22	4	CAPSCREW, Hex Hd, 3/8-16 x 2-3/4
13	22045	1	PIN, 1/2 x 3
14	44993	1	LIFT PIVOT BOLT
15	25018-24	2	CAPSCREW, Hex Hd, 1/2-20 x 3
16	3847513	2	LINK, Deck Lift
17	25098	2	NUT, Hex, Nylon Lock, 1/2-20
18	25282	1	NUT, Hex Jam, Nylon Lock, 5/8-11
19	25516	4	PIN, Roll, 3/16 x 1-1/2
20	21253	4	SHIM
21	47446	2	SPRING ROD PIVOT
22	25040	12	NUT, Hex, 5/8-11
23A	3845449	1	DECK LIFT PIVOT-LH
23B	3845450	1	DECK LIFT PIVOT-RH (not shown)
24	20095	6	GREASE FITTING
25	45446	2	SPRING ROD
26	25013-10	4	CAPSCREW, Hex Hd, 3/8-16 x 1-1/4
27	45447	2	SPRING ROD PIVOT
28	25159	2	WASHER, USS, 5/8
29	22668	2	DECK LIFT SPRING
30	41477	2	SPACER, .63 x 1.06 x .23
31A	3847198	1	DECK LIFT OFFSET LINK-LH
31B	3847197	1	DECK LIFT OFFSET LINK-RH (not shown)
32	22366	6	PIN, Spring, 3/16 x 1-1/4
33	25281	10	WASHER, 5/8
34A	47500	1	DECK LIFT ROD-LH
34B	47498	1	DECK LIFT ROD-RH (not shown)
35	25013-14	6	CAPSCREW, Hex Hd, 3/8-16 x 1-3/4
36	25156	12	WASHER, 3/8
37	50878-3	4	CHAIN, 3 Links
38	25128	4	NUT, Hex, Serrated Flange, 3/8-16
39	25084	4	NUT, Hex, Jam, 3/8-16
40A	3847438	1	DECK LIFT PIVOT-LH
40B	3847437	1	DECK LIFT PIVOT-RH (not shown)
41	25325	2	U-BOLT
42	25034	4	NUT, Hex, 3/8-16
43	3847441	1	DECK LIFT SHAFT & MOUNT ASSEMBLY

Footnotes:

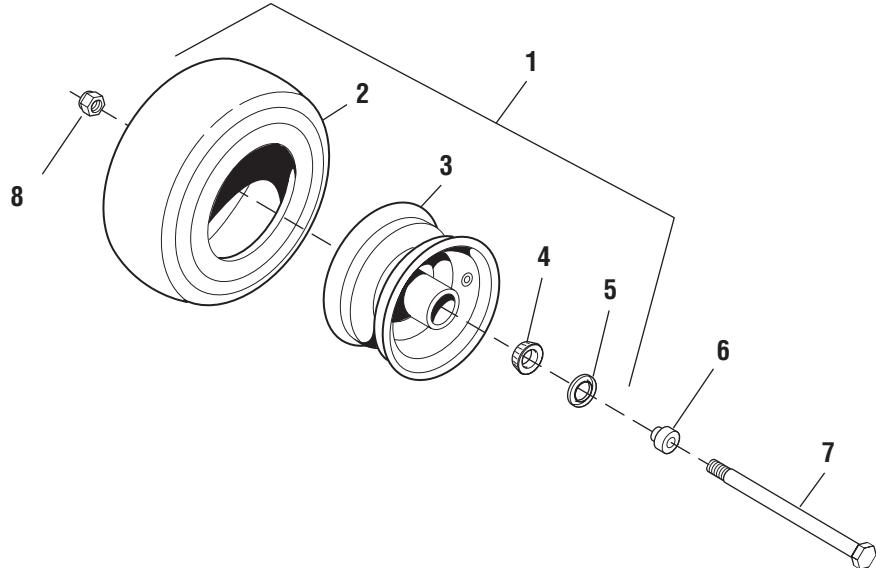
The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

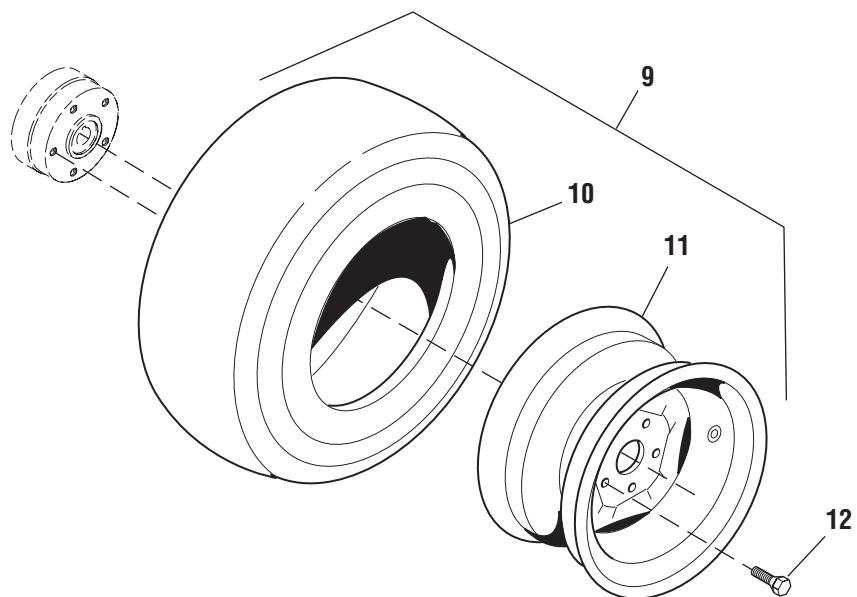
Tire & Wheel Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

Front Wheels & Tires



Rear Wheels & Tires



The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Tire & Wheel Group

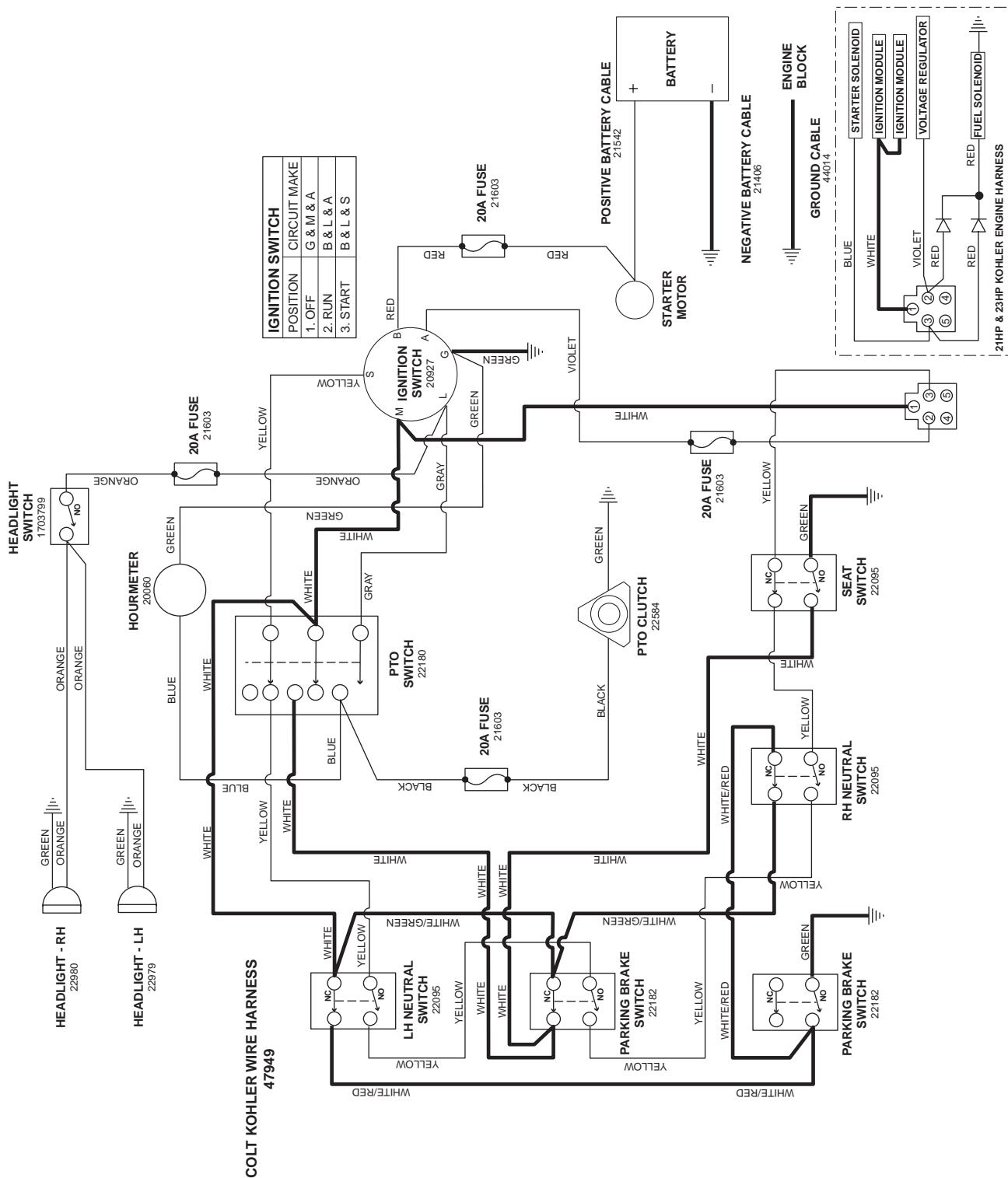
REF NO.	PART NO.	QTY.	DESCRIPTION
1	22631S	2	WHEEL & TIRE ASSEMBLY, Front, 13 x 5.0 x 6, Complete (includes Ref 2-5)
2	22029-1	2	TIRE, Front, 13 x 5.0 x 6
3	22631S-1	2	WHEEL ASSEMBLY, Front, for 13 x 5.0 x 6 Tire, Complete (includes Ref 4 & 5)
4	22631S-2	4	BEARING, Taper Roller (2 per wheel)
5	22631S-3	4	GREASE SEAL (2 per wheel)
6	47103	4	ADAPTER, Caster Wheel (2 per wheel)
7	25017-60	2	CAPSCREW, Hex Hd, 1/2-13 x 7-1/2
8	25056	2	NUT, Hex, Nylon Lock, 1/2-13
9	22646S	2	WHEEL & TIRE ASSEMBLY, Rear, 23 x 9.5 x 12, Complete (Includes Ref 10 & 11)
10	22646S-1	2	TIRE, Rear, 23 x 9.5 x 12
11	22646S-2	2	WHEEL ASSEMBLY, Rear, for 23 x 9.5 x 12 Tires
12	22215	10	WHEEL LUG, 1/2 x 1-5/8

Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Ignition Grounding Circuit/Operator Presence

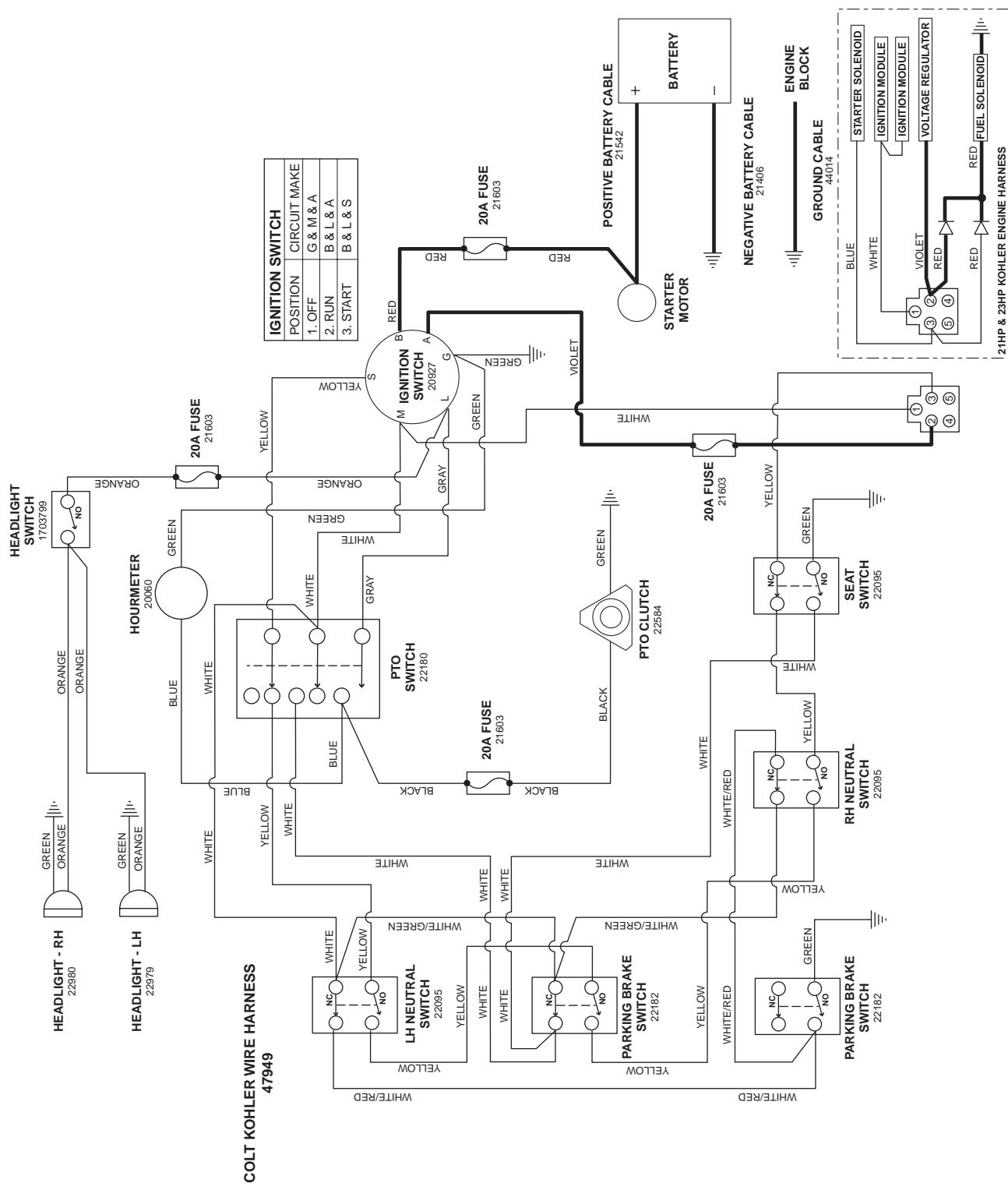


The above parts group applies to the following Model Nos.:

ove parts group applies to the
ZT2148T (S/N: 338 & below)

ZT21481 (S/N: 358 & below)
ZT2352T (S/N: 363 & below)

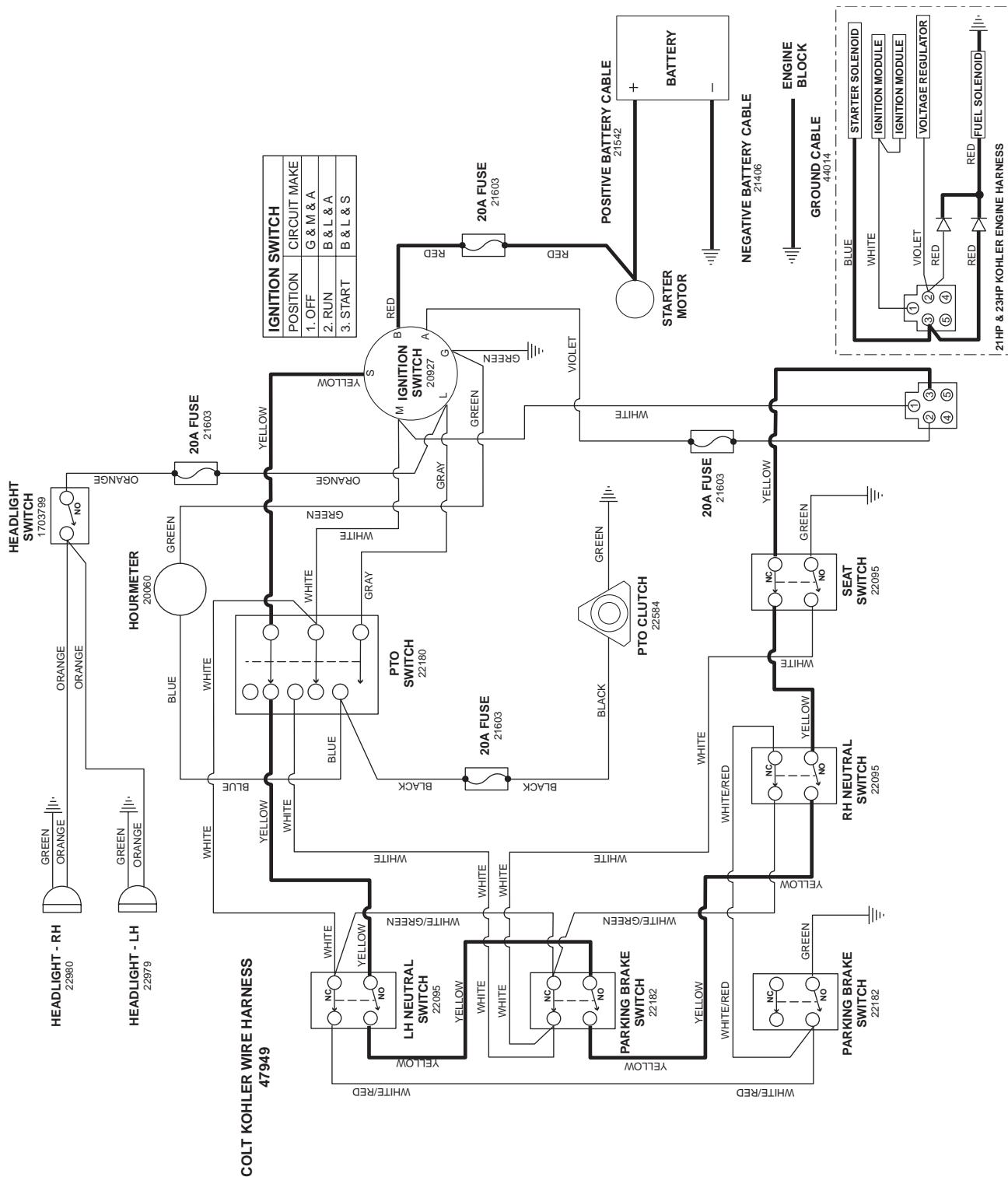
Charging Circuit



The above parts group applies to the following Model Nos.:

ZT2148T (S/N: 338 & below)
ZT2352T (S/N: 363 & below)

Cranking Circuit

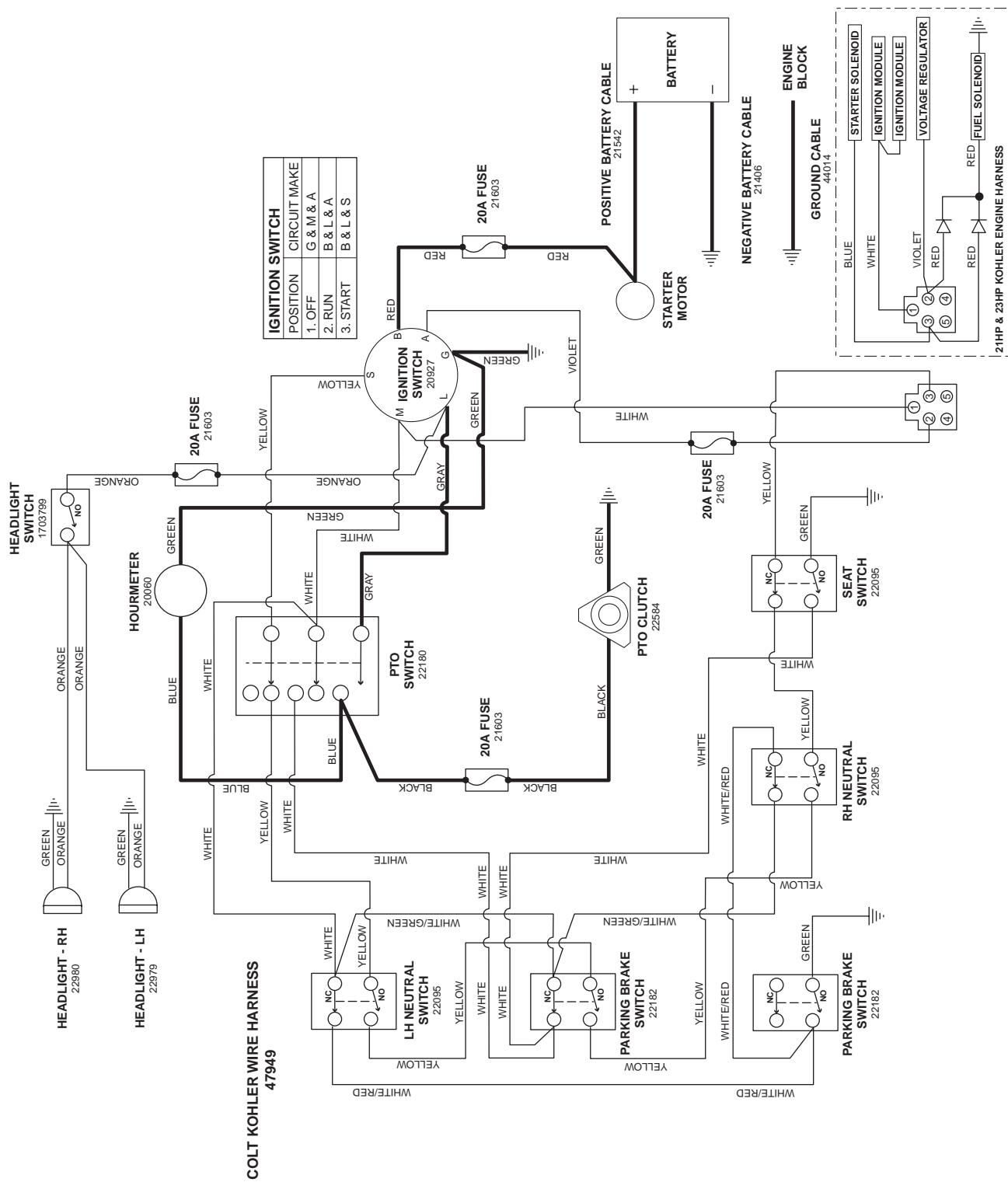


The above parts group applies to the following Model Nos.:

ZT2148T (S/N: 338 & below)

ZT2352T (S/N: 363 & below)

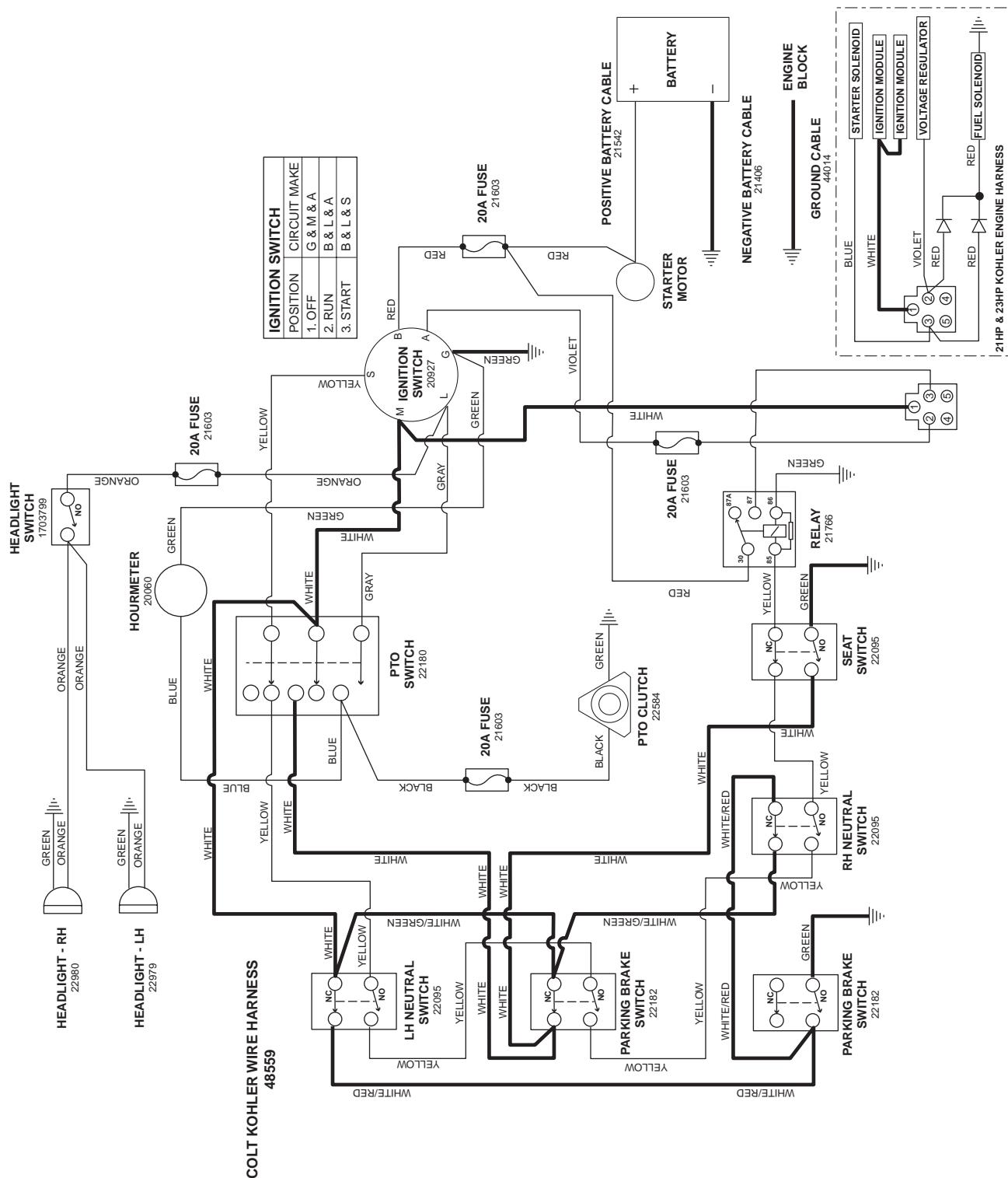
PTO Clutch Circuit



The above parts group applies to the following Model Nos.:

ove parts group applies to the
ZT2148T (S/N: 338 & below)
ZT2352T (S/N: 363 & below)

Ignition Grounding Circuit/Operator Presence

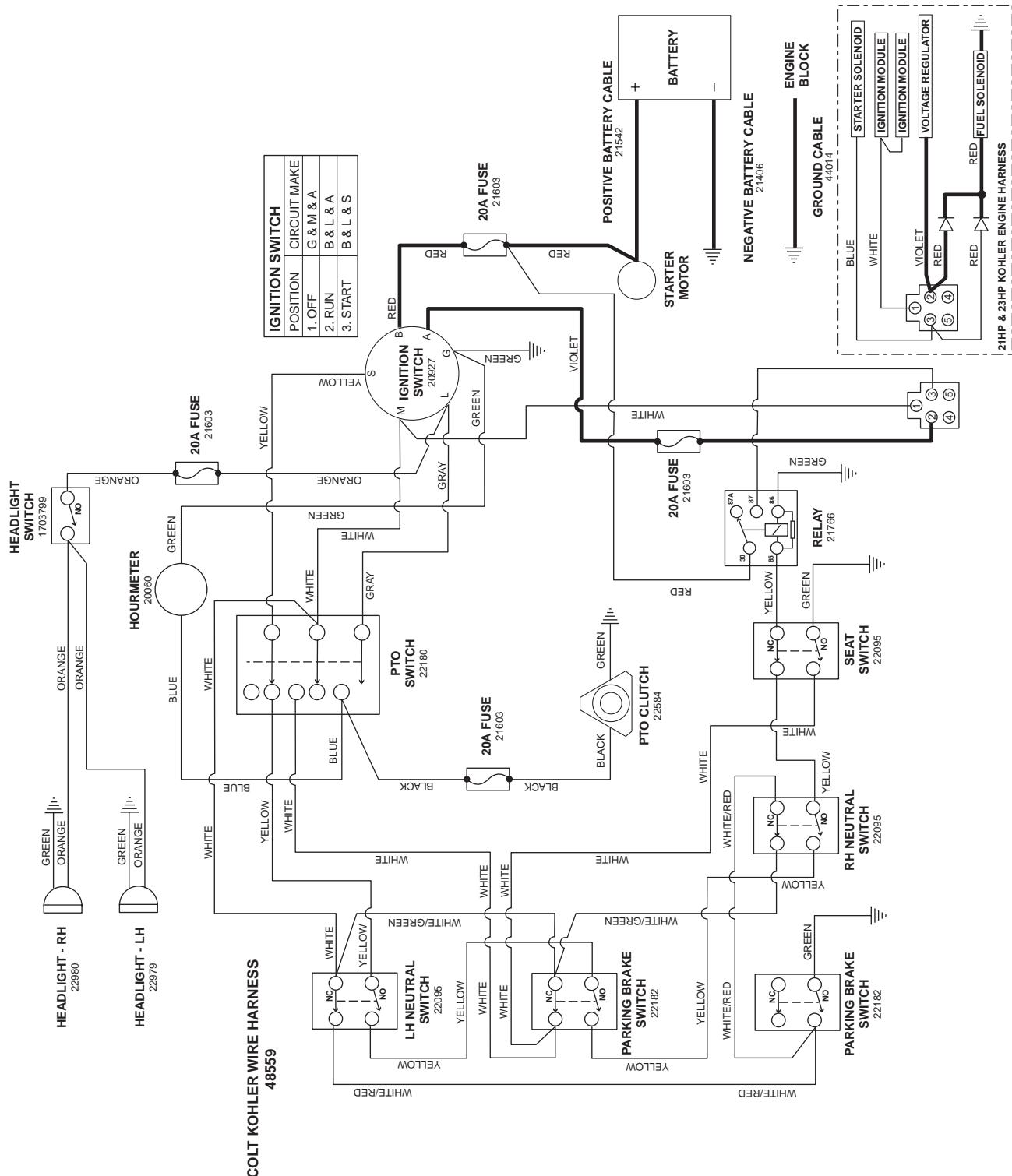


The above parts group applies to the following Model Nos.:

ove parts group applies to
ZT2148T (S/N: 339 - 678)

ZT2352T (S/N: 364 - 835)

Charging Circuit

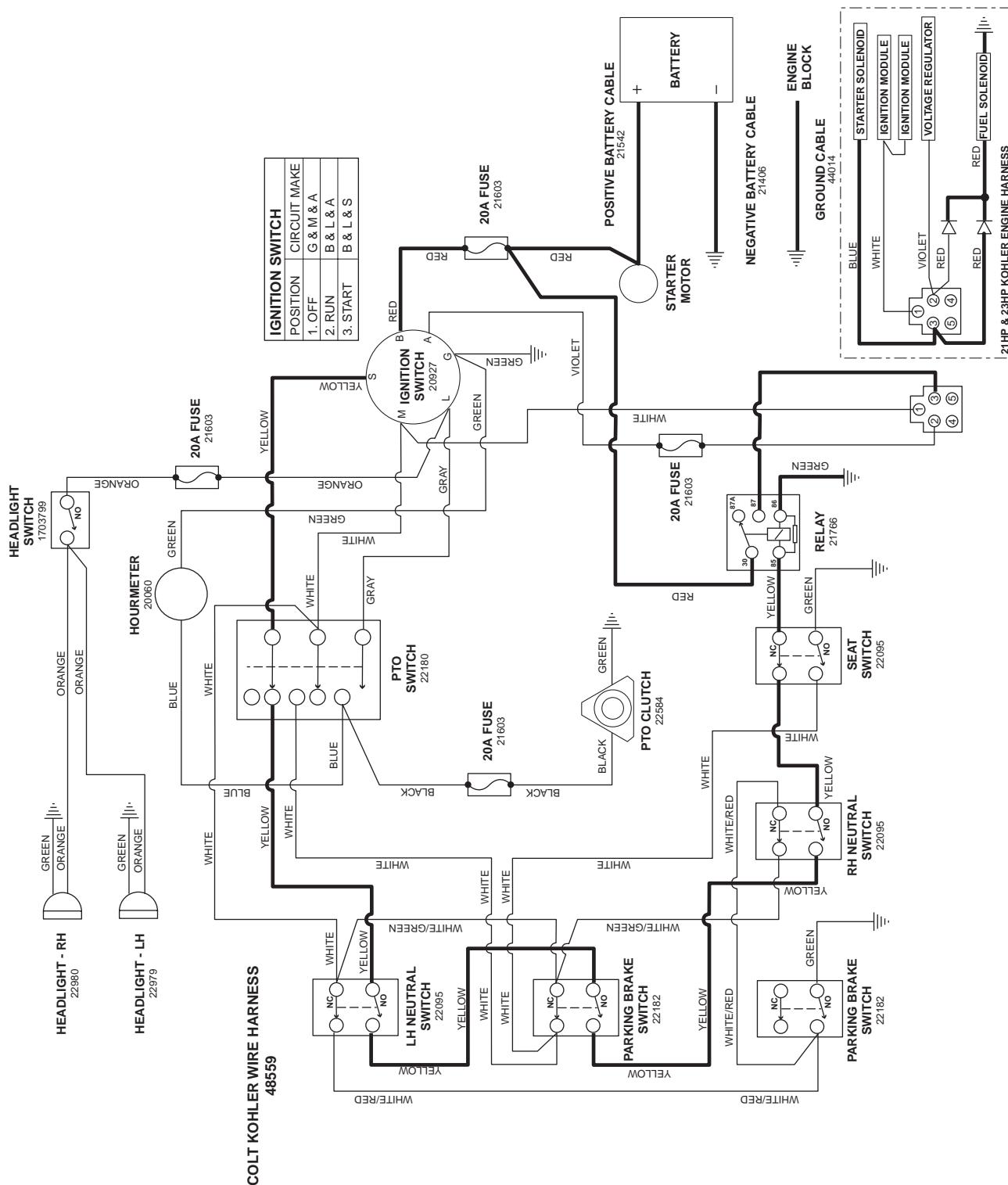


The above parts group applies to the following Model Nos.:

ZT2148T (S/N: 339 - 678)

ZT21481 (S/N: 355 - 373)
ZT2352T (S/N: 364 - 835)

Cranking Circuit

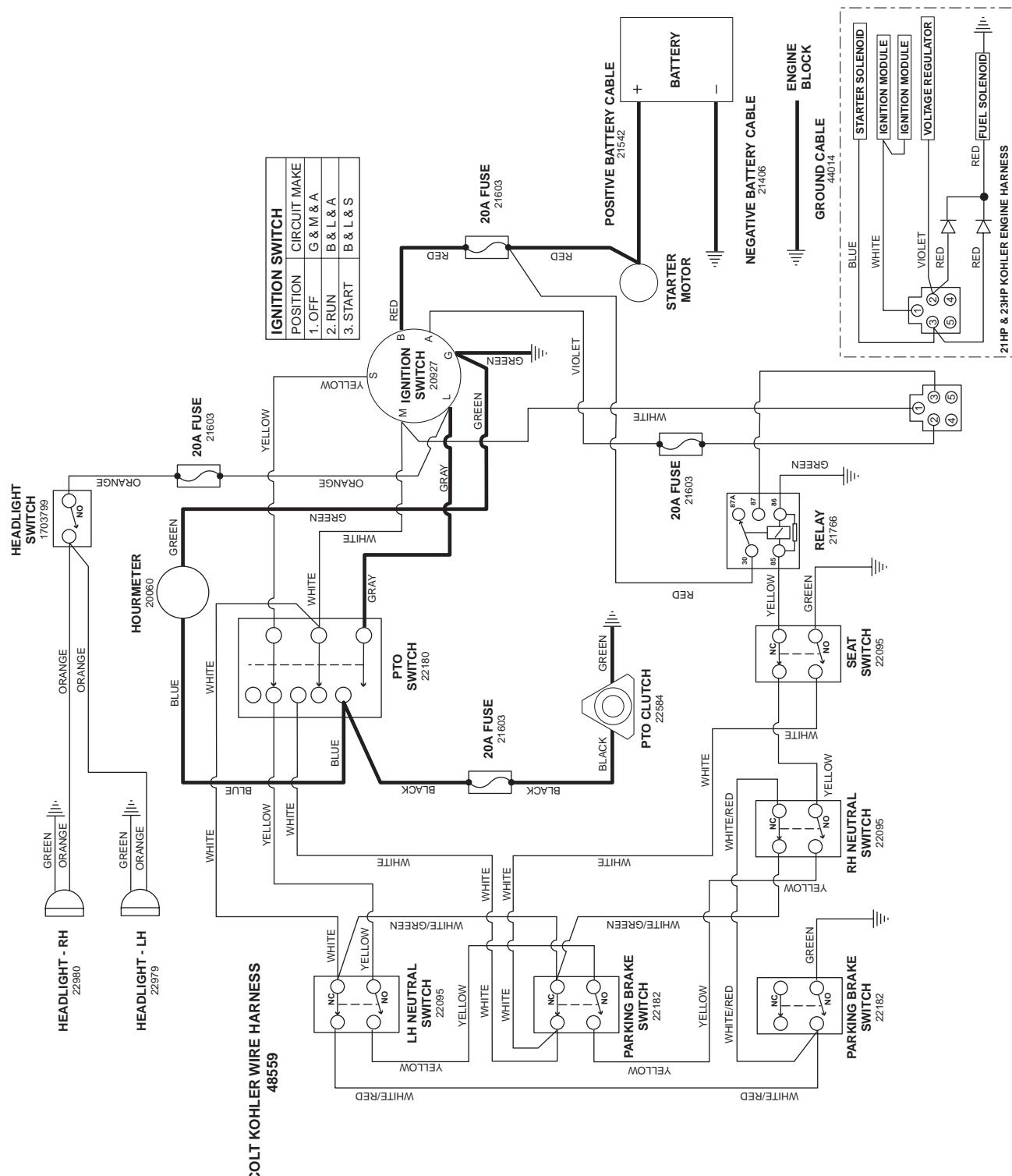


The above parts group applies to the following Model Nos.:

Two parts group applies to
ZT2148T (S/N: 339 - 678)

ZT2352T (S/N: 364 - 835)

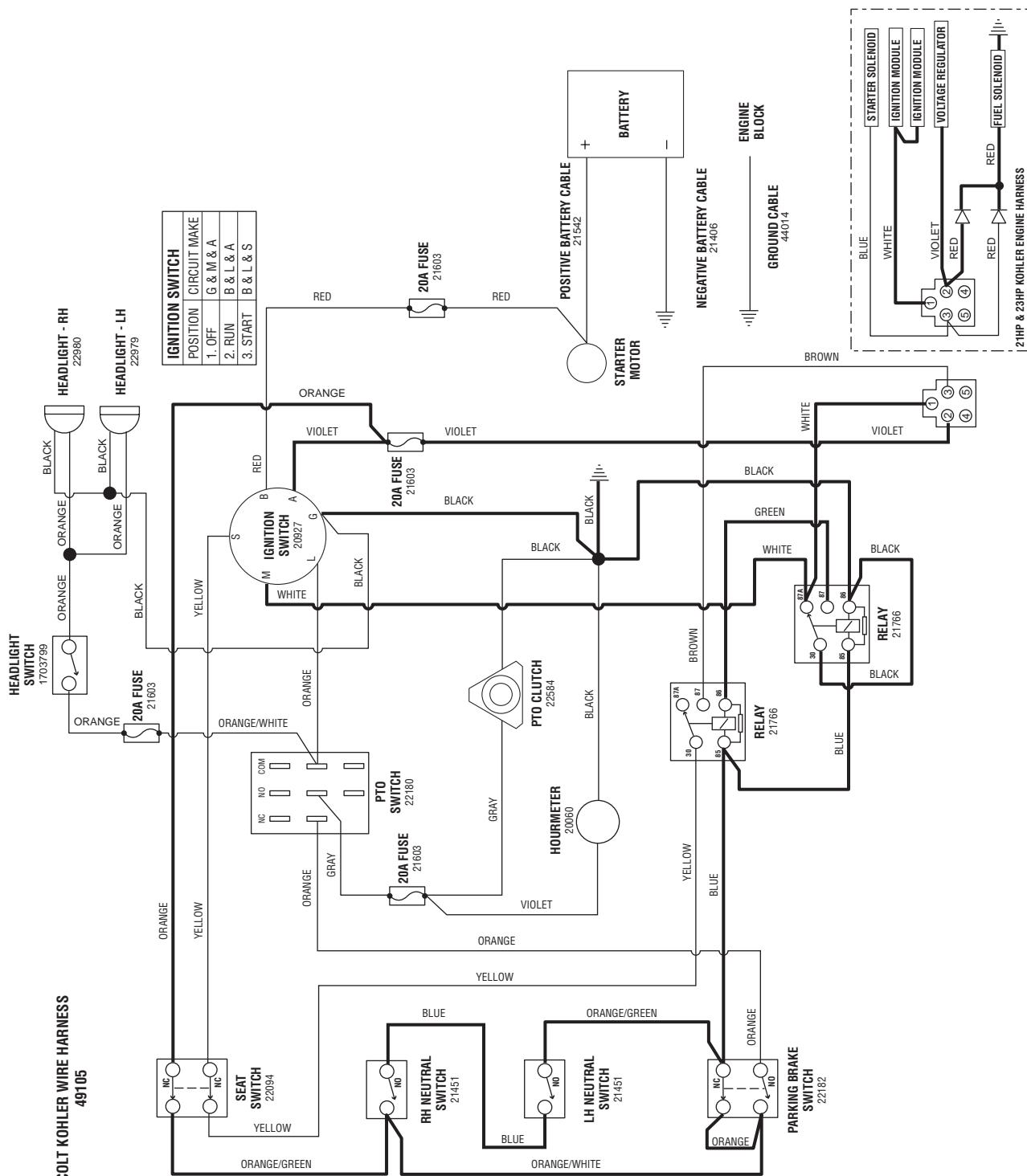
PTO Clutch Circuit



The above parts group applies to the following Model Nos.:

ZT2148T (S/N: 339 - 678)
 ZT2352T (S/N: 364 - 835)

Ignition Grounding Circuit/Operator Presence



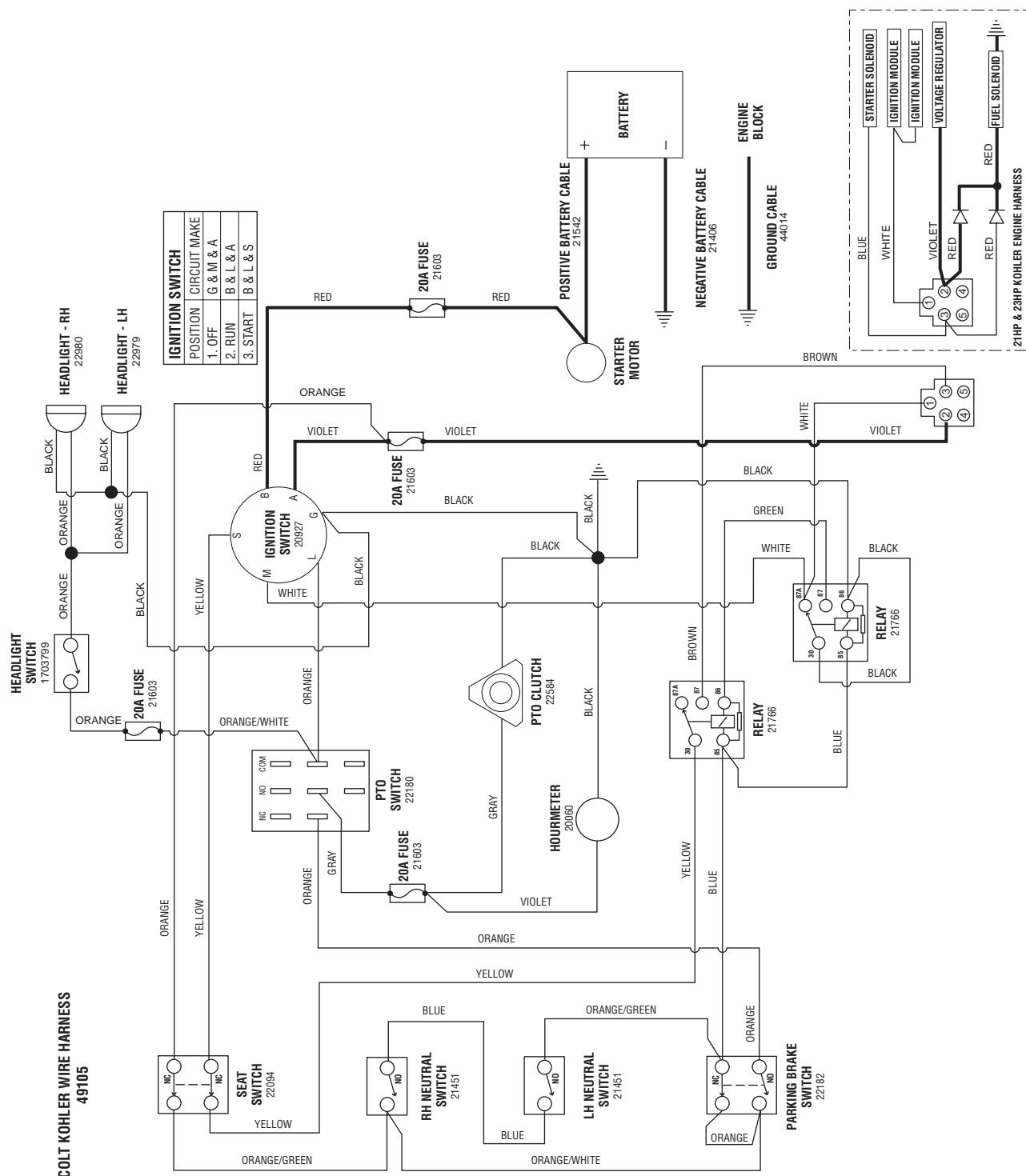
The above parts group applies to the following Model Nos.:

ZT2148T (S/N: 679 & above)

ZT2348T

ZT2352T (S/N: 836 & above)

Charging Circuit



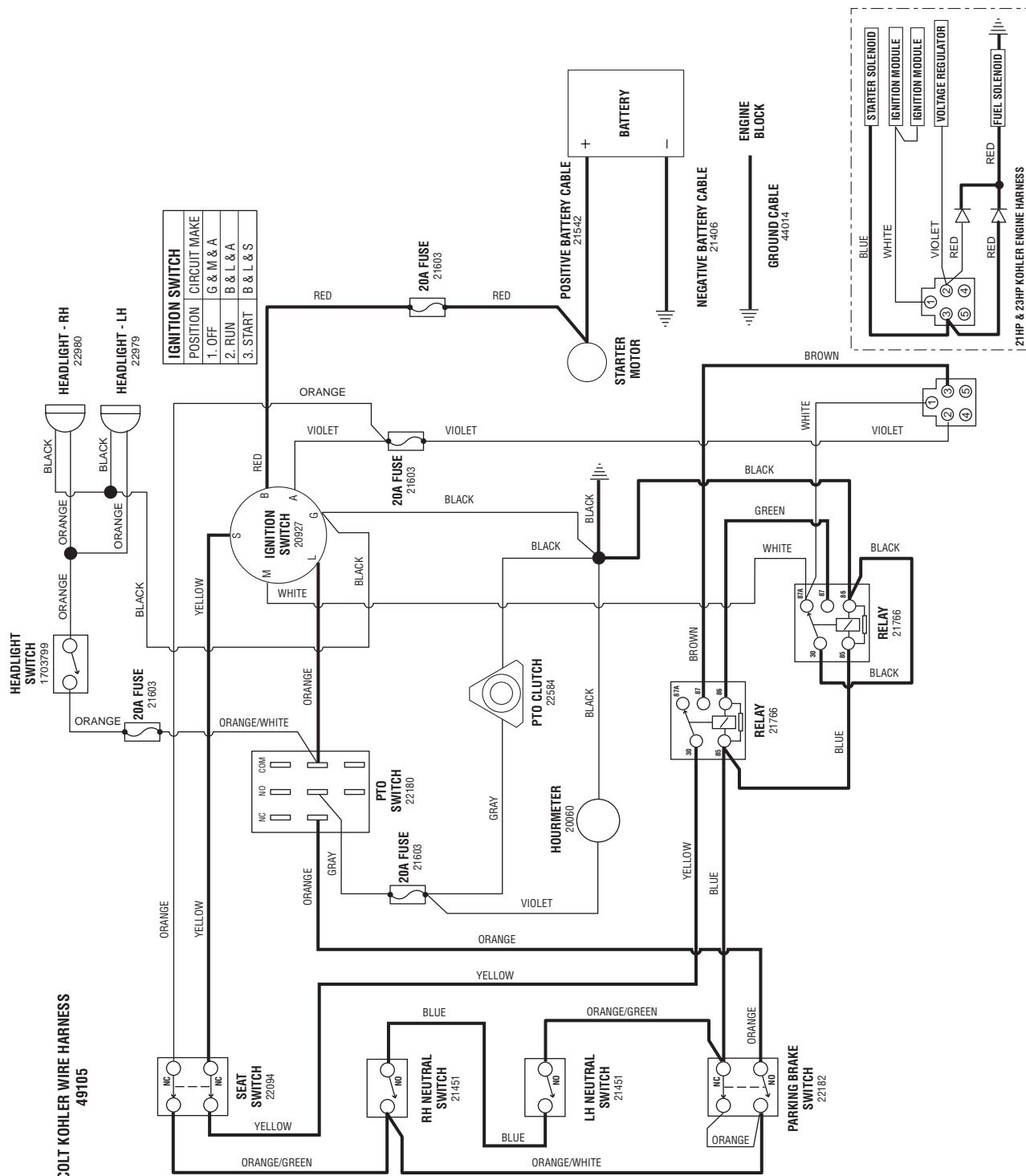
The above parts group applies to the following Model Nos.:

ZT2148T (S/N: 679 & above)

ZT2348T

ZT2352T (S/N: 836 & above)

Cranking Circuit



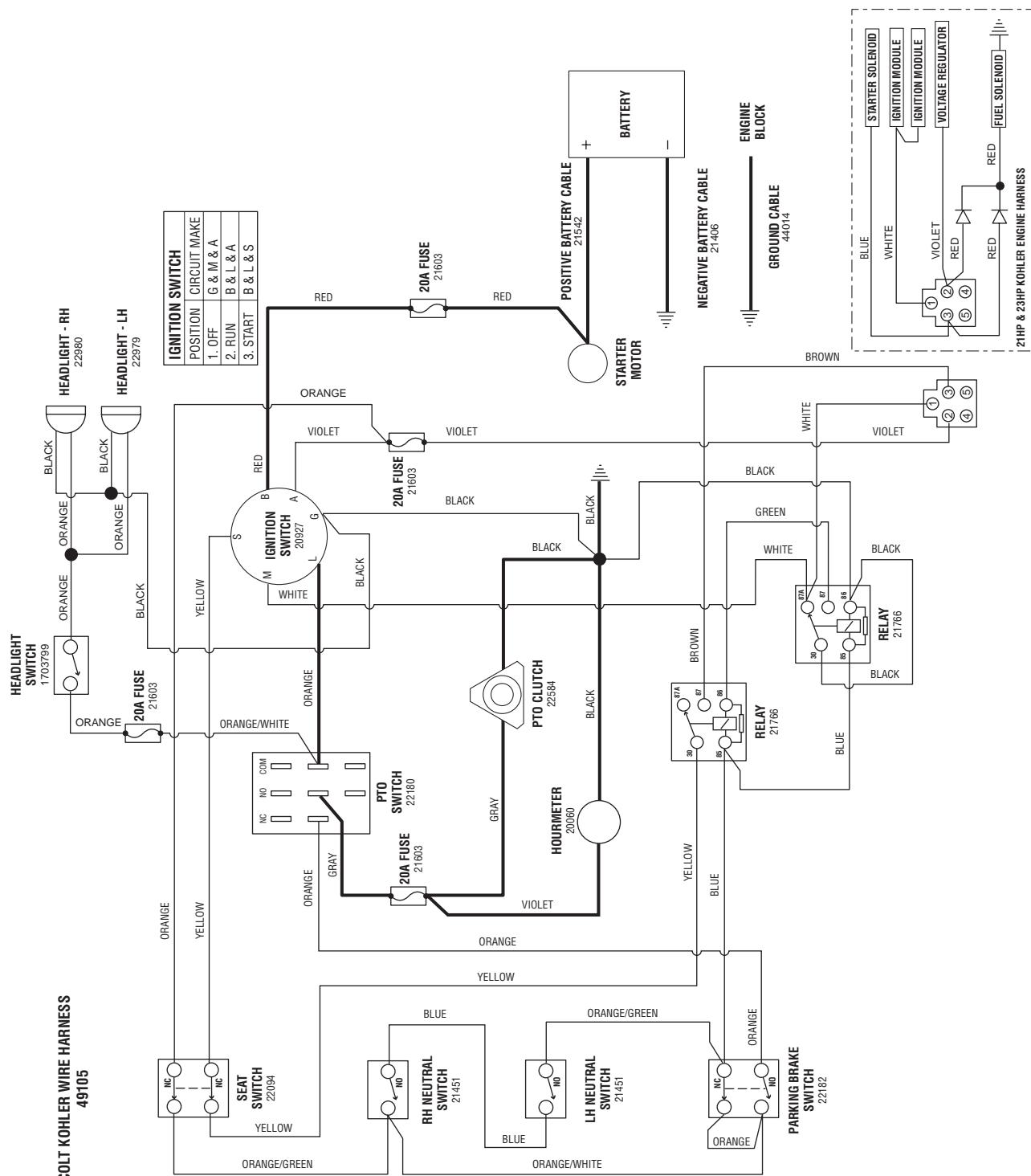
The above parts group applies to the following Model Nos.:

ZT2148T (S/N: 679 & above)

ZT2348T

ZT2352T (S/N: 836 & above)

PTO Clutch Circuit

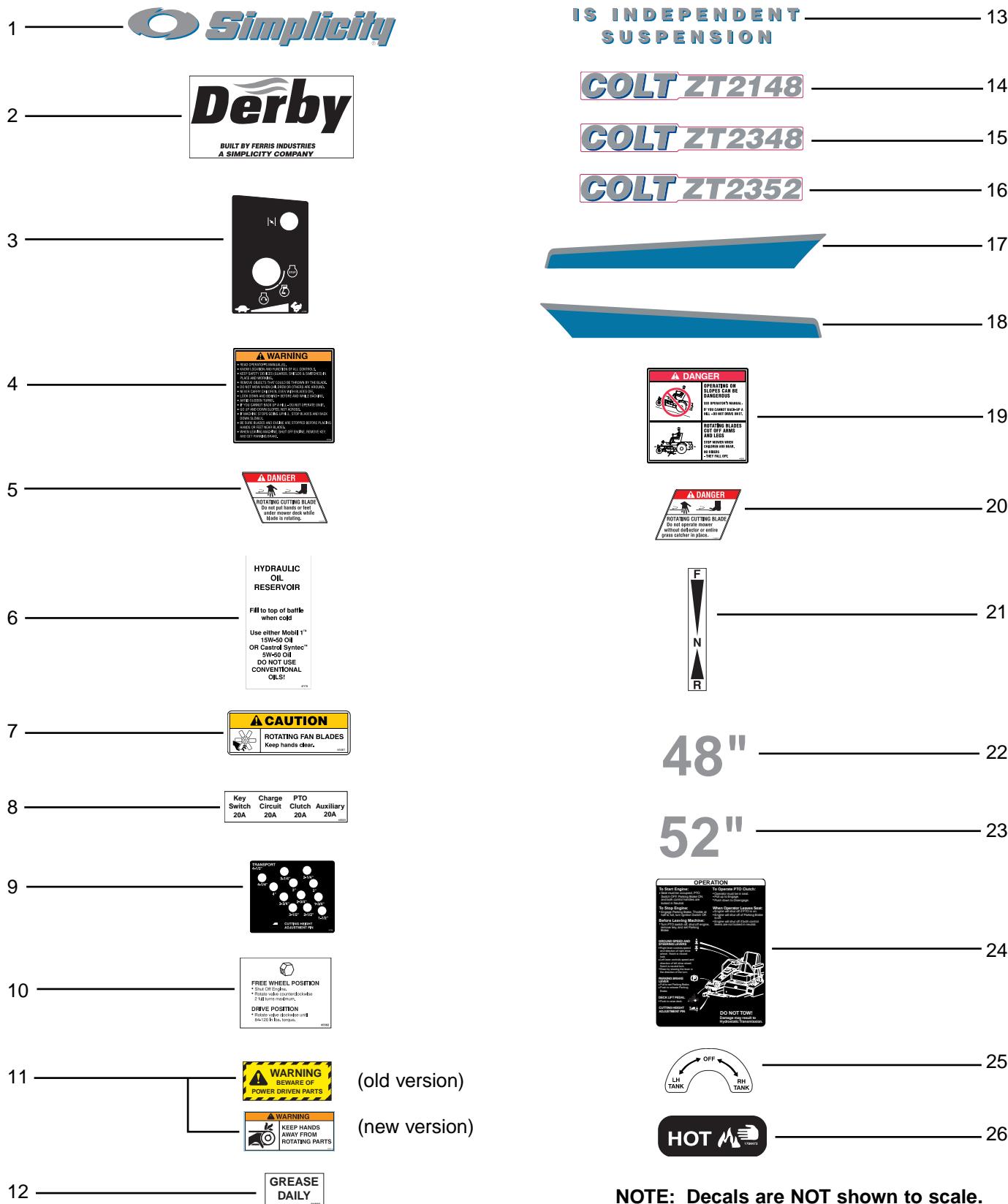


The above parts group applies to the following Model Nos.:

ZT2148T (S/N: 679 & above)

ZT2348T

ZT2352T (S/N: 836 & above)



NOTE: Decals are NOT shown to scale.

The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Decals - Brand, Model, Safety & Operation

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1722551	3	DECAL, Simplicity Logo
2	45512	1	DECAL, Derby Built By Ferris
3	47896	1	DECAL, Control Panel
4	46884	1	DECAL, Warning
5	1704276	1	DECAL, Danger (Hand Under Deck)
6	47175	1	DECAL, Oil Reservoir
7	46481	2	DECAL, Caution Fan
8	46503	1	DECAL, Fuse Location
9	47138	1	DECAL, Lift Plate
10	45562	2	DECAL, Hydro Release Valve
11	20337	1	DECAL, Warning
12	21036	2	DECAL, Grease Daily
13	23053	1	DECAL, IS Independent Suspension
14	23055	1	DECAL, COLT ZT2148
15	49060	1	DECAL, COLT ZT2348
16	23056	1	DECAL, COLT ZT2352
17	22998	1	DECAL, Stripe-LH
18	22999	1	DECAL, Stripe-RH
19	46885	1	DECAL, Danger
20	1704277	1	DECAL, Danger (Chute In Place)
21	45561	2	DECAL, Direction Control
22	22811	1	DECAL, 48"
23	22812	1	DECAL, 52"
24	45559	1	DECAL, Operation
25	22402	1	DECAL, Fuel Valve
26	1704473	1	DECAL, Hot

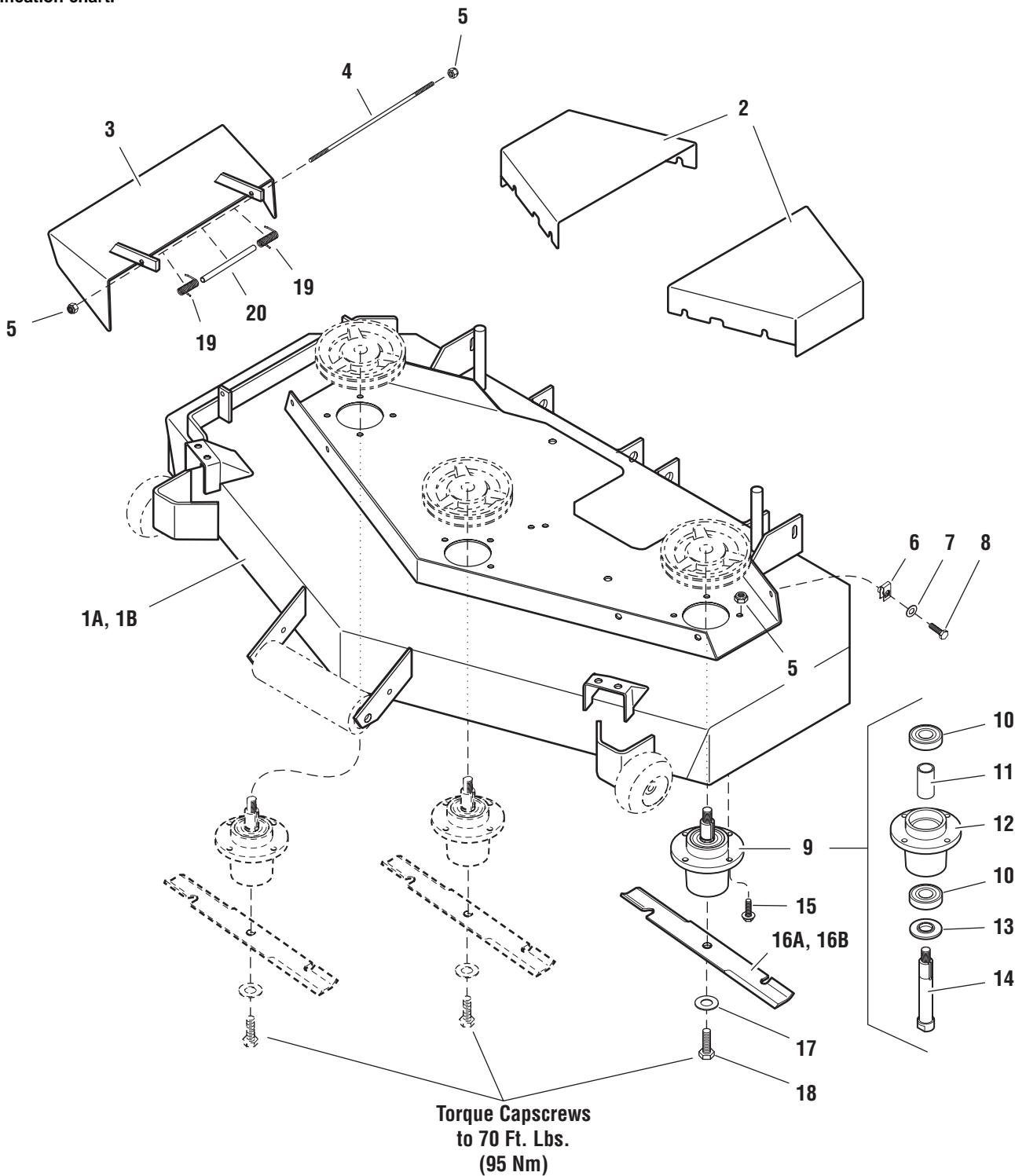
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

48" & 52" Mower Decks - Housings, Covers, Spindles & Blades

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

Mower Housing, Cover, Spindle & Blade Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1A	3847855	1	48" MOWER DECK
1B	3847856	1	52" MOWER DECK
2	3847129	2	MOWER DECK GUARD
3	3846445	1	DISCHARGE CHUTE
4	42555	1	ROD
5	25057	14	NUT, Hex, Nylon Lock, 5/16-18
6	22308	6	BODY CLIP, 5/16-18
7	25155	6	WASHER, 5/16
8	25011-6	6	CAPSCREW, Hex Hd, 5/16-18 x 3/4
9	46363	3	SPINDLE ASSEMBLY, Complete (includes Ref 10-14)
10	46363-5	6	BEARING, Roller
11	46363-4	3	SPACER, Bearing
12	46363-1	3	SPINDLE HOUSING
13	46363-3	3	TRASH SHIELD
14	46363-2	3	SPINDLE SHAFT
15	23156	12	CAPSCREW, Hex Flange Head, 5/16-18 x 1-1/4
16A	20843	3	MOWER BLADE, 16-1/4" (48" Deck)
16B	21227	3	MOWER BLADE, 18" (52" Deck)
17	25159	3	WASHER, USS, 5/8
18	25320-14	3	CAPSCREW, Hex Hd, 5/8-11 x 1-3/4
19	1705080	2	SPRING, Torsion
20	45637	1	SPRING SPACER

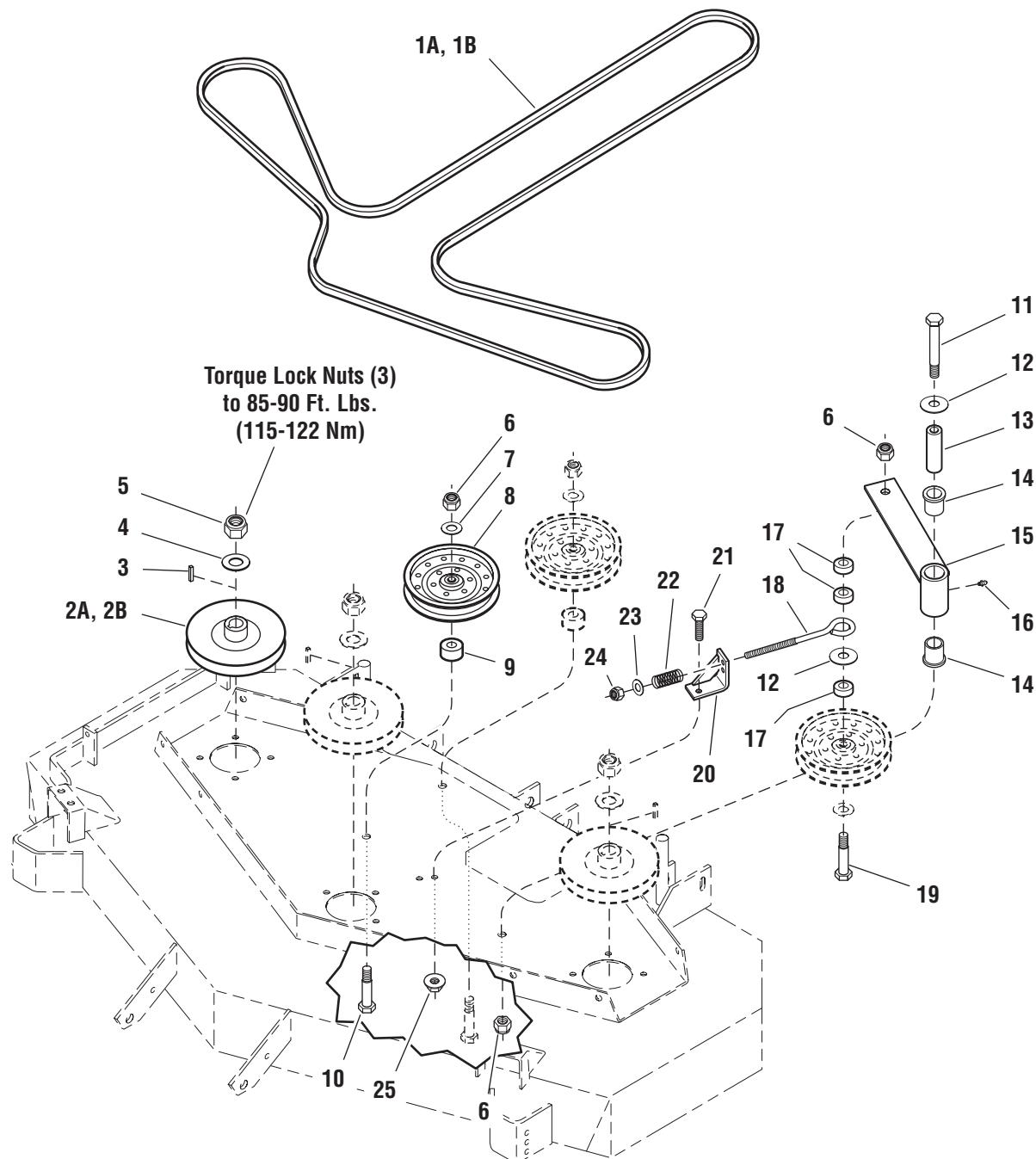
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

48" & 52" Mower Decks - Belts, Pulleys & Idler Arm

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

48" & 52" Mower Decks - Belts, Pulleys & Idler Arm

REF NO.	PART NO.	QTY.	DESCRIPTION
1A	22667	1	BELT (48" Deck)
1B	22148	1	BELT (52" Deck)
2A	22622	3	PULLEY, Spindle, Gold (48" Deck, S/N: 533 & below)
*	23175	3	PULLEY, Spindle, Black (48" Deck, S/N: 534 & above)
2B	22721	3	PULLEY, Spindle, Gold (52" Deck, S/N: 585 & below)
*	23178	3	PULLEY, Spindle, Black (52" Deck, S/N: 586 & above)
3	50407-5	3	KEY, 1/4" x 1-1/4"
4	25318	3	WASHER, Spring
5	25319	3	NUT, Hex, Nylon Lock, 5/8-18
6	25056	4	NUT, Hex, Nylon Lock, 1/2-13
7	25158	3	WASHER, 1/2
8	21976	3	PULLEY, Idler
9	47142	2	SPACER, .52 x 1.25 x .70
10	25017-24	2	CAPSCREW, Hex Hd, 1/2-13 x 3
11	25017-36	1	CAPSCREW, Hex Hd, 1/2-13 x 4-1/2
12	25150	2	WASHER, USS, 1/2
13	45022	1	IDLER ARM PIVOT SHAFT
14	21541	2	BUSHING, Flange
15	3845106	1	IDLER ARM
16	20095	1	GREASE FITTING
17	45023	3	SPACER, .52 x 1.00 x .44
18	21811	1	EYEBOLT
19	25017-28	1	CAPSCREW, Hex Hd, 1/2-13 x 3-1/2
20	3845200	1	SPRING ANCHOR
21	25013-8	1	CAPSCREW, Hex Hd, 3/8-16 x 1
22	22788	1	SPRING, Compression, 2"
23	25156	1	WASHER, 3/8
24	25096	1	NUT, Hex, Nylon Lock, 3/8-16
25	25128	1	NUT, Hex, Serrated Flange, 3/8-16

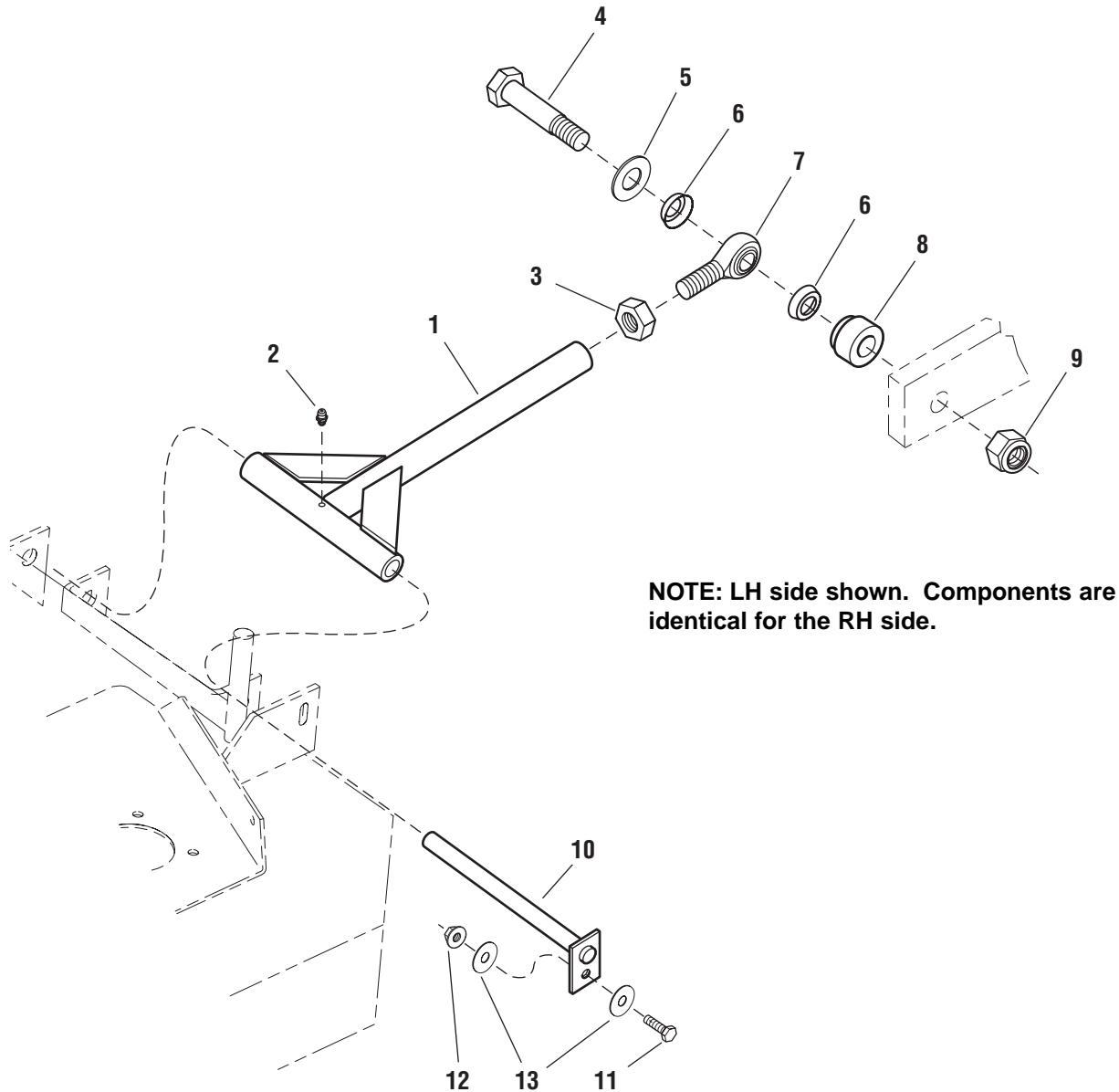
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

48" & 52" Mower Decks - Rear Mount Bars

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

48" & 52" Mower Decks - Rear Mount Bars

REF NO.	PART NO.	QTY.	DESCRIPTION
1	3845009	2	DECK PUSHER BAR
2	20095	2	GREASE FITTING
3	25093	2	NUT, Hex, Jam, 3/4-16
4	25265-32	2	CAPSCREW, Hex Hd, 3/4-16 x 4
5	25160	2	WASHER, 3/4
6	22111	4	ROD END SEAL
7	22039	2	BALL JOINT, 3/4-16
8	46093	2	SPACER, .75 x 1.50 x 1.00
9	25284	2	NUT, Hex, Nylon Lock, 3/4-16
10	45037	2	PUSHER BAR MOUNT PIN
11	25013-10	2	CAPSCREW, Hex Hd, 3/8-16 x 1-1/4
12	25096	2	NUT, Hex, Nylon Lock, 3/8-16
13	25156	4	WASHER, 3/8

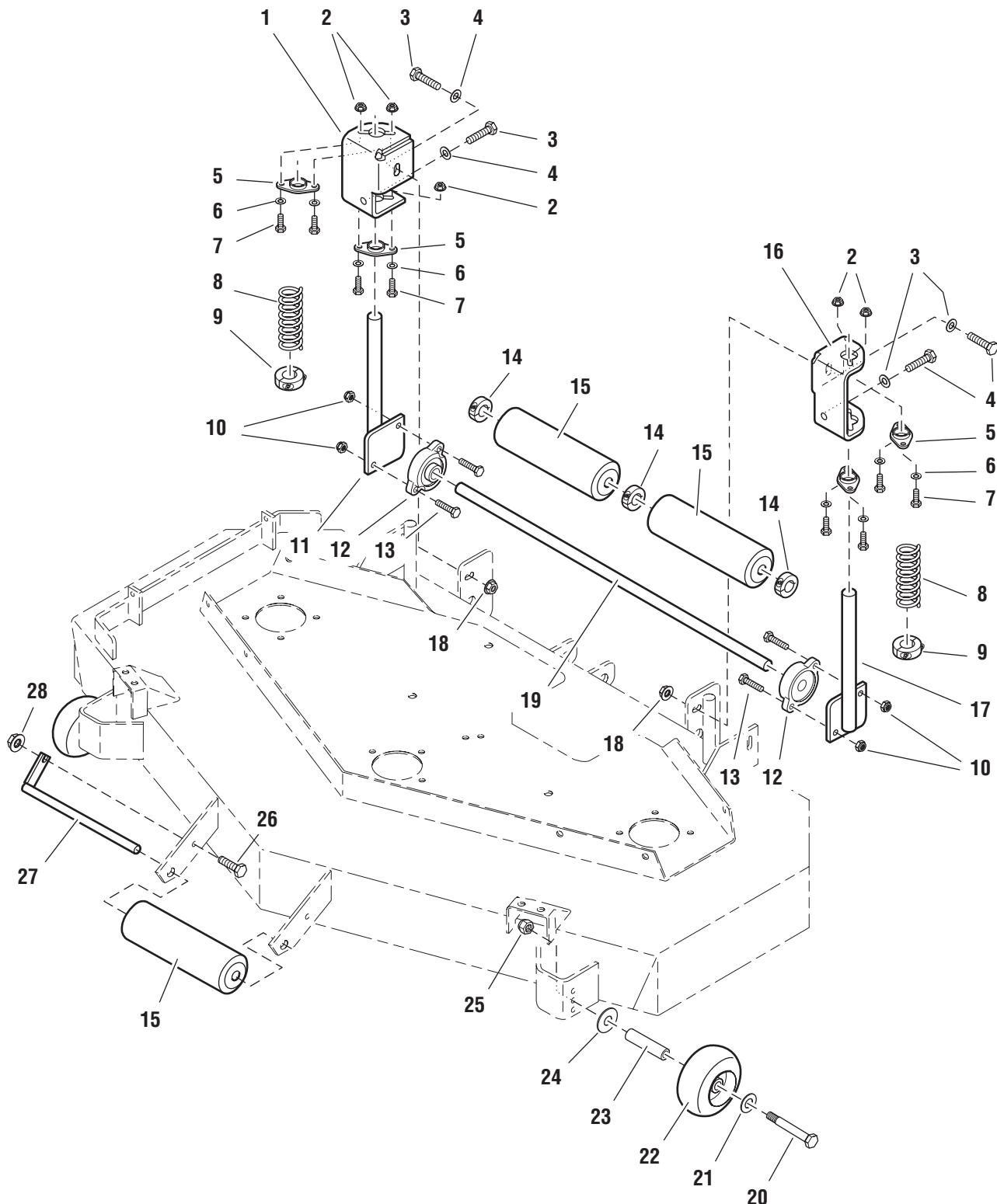
Footnotes:

The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

48" & 52" Mower Decks - Rollers

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T

48" & 52" Mower Decks - Rollers

REF NO.	PART NO.	QTY.	DESCRIPTION
1	3848604	1	MOUNT, Striper-RH
2	25126	8	NUT, Hex Serrated Flange, 1/4-20
3	25011-10	4	CAPSCREW, Hex Hd, 5/16-18 x 1-1/4
4	25155	4	WASHER, 5/16
5	23155	4	BUSHING
6	25154	8	WASHER, 1/4
7	25010-6	8	CAPSCREW, Hex Head, 1/4-20 x 3/4
8	22845	2	SPRING, Compression
9	20594	2	COLLAR, Double Split, 3/4
10	25095	4	NUT, Hex, Nylon Lock, 1/4-20
11	3846901	1	SHAFT, Striper Guide-RH
12	22846	2	BEARING, Flange, 5/8
13	25010-10	4	CAPSCREW, Hex Hd, 1/4-20 x 1-1/4
14	20441	3	COLLAR, Split, 5/8
15	20785	2	ROLLER
16	3848603	1	MOUNT, Striper-LH
17	3846900	1	SHAFT, Striper Guide-LH
18	25139	4	NUT, Hex, Serrated Flange, 5/16-18
19	46903	1	SHAFT, Roller Mount
20	25013-28	2	CAPSCREW, Hex Hd, 3/8-16 x 3-1/2
21	25156	2	WASHER, 3/8
22	1716353	2	WHEEL
23	45992	2	WHEEL AXLE
24	25305	2	WASHER, Heavy, 3/8
25	25096	2	NUT, Hex, Nylon Lock, 3/8-16
26	25013-8	1	CAPSCREW, Hex Hd, 3/8-16 x 1
27	3841655	1	ROLLER PIN
28	25128	1	NUT, Hex, Serrated Flange, 3.8-16

Footnotes:

Ref No. 20-25 apply to the 52" mower only

The above parts group applies to the following Model Nos.:

ZT2148T
ZT2348T
ZT2352T